



**HP Inc.**

**A3 Equipment**

**Quick**

**Reference**

**Guide**





## Managed Device Naming Structure

P=Pro	6=Workgroup A4	0-24=Mono SFP*	XX=Device Speed
E=Enterprise	7=Workgroup A3	25-49=Mono MFP	
	8=Departmental A3	50-74=Color SFP	
		50-74=Color SFP	
		75-99=Color MFP	

\* Single Function Printer

### Example: HP LaserJet Managed Flow MFP E72535z

E=Enterprise	7=Workgroup A3	25=Mono MFP	35=PPM
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### Example: HP Color LaserJet Managed Flow MFP E67560z

E=Enterprise	6=Workgroup A4	75=Color MFP	60=PPM
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### HP A3 Device Configurator URL

<https://configurator.ext.hp.com/configurator>





## A3 **Color** LaserJet MFPs

<b>E77822dn</b>	<b>22PPM Color/BW</b>
<b>E77822z</b>	<b>22PPM Color/BW</b> (Flow Series...Includes keyboard & OCR)
<b>E77825dn</b>	<b>25PPM Color/BW</b>
<b>E77825z</b>	<b>25PPM Color/BW</b> (Flow Series...Includes keyboard & OCR)
<b>E77830dn</b>	<b>30PPM Color/BW</b>
<b>E77830z</b>	<b>30PPM Color/BW</b> (Flow Series...Includes keyboard & OCR)
<b>E87640dn</b>	<b>40PPM Color/BW</b>
<b>E87640z</b>	<b>40PPM Color/BW</b> (Flow Series...Includes keyboard & OCR)
<b>E87650dn</b>	<b>50PPM Color/BW</b>
<b>E87650z</b>	<b>50PPM Color/BW</b> (Flow Series...Includes keyboard & OCR)
<b>E87660dn</b>	<b>60PPM Color/BW</b>
<b>E87660z</b>	<b>60PPM Color/BW</b> (Flow Series...Includes keyboard & OCR)





# HP Color LaserJet Managed MFP E77822dn

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs— to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 22 ppm black; Up to 22 ppm color; First Page Out: As fast as 10.1 sec black; As fast as 12.3 sec color

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port Standard

**Memory:** Standard: 6 GB; Maximum: 6 GB

**Mobile Printing Capability:** SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication

**Paper Handling:** 100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 22 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.
- Load up to 100 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP Color LaserJet Managed MFP E77822dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes	<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Print Speed</b>	<b>Letter:</b> Up to 22 ppm black; Up to 22 ppm color; <b>First Page Out:</b> As fast as 10.1 sec black; As fast as 12.3 sec color <sup>3</sup>	<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed	<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Print Technology</b>	Laser	<b>Paper Handling</b>	100-sheet input tray; 250-sheet input tray; 520-sheet input tray; 100-sheet ADF; 500 sheet face-down output bin; <b>DuplexOptions:</b> Automatic (standard); <b>AutoDocumentFeederCapacity:</b> Standard, 250 sheets; <b>EnvelopeFeeder:</b> No; <b>Standard/PaperTrays:</b> 3; <b>InputCapacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible	<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 34,000) W9040MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 32,000) W9041MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 32,000) W9042MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 32,000) W9043MC <sup>8</sup>
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.	<b>Product Dimensions</b>	<b>W x D x H:</b> 22.3 x 28.5 x 34.6 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager	<b>Product Weight</b>	176.92 lb
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS	<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi	<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, TIF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, TIF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .ch) Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications	<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Scan Input Modes</b>	ADF: 11 x 17 in Maximum; 5.5 x 8.5 in Minimum; <b>Flatbed:</b> 11 x 17 in	<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Scan Size</b>	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 160 ipm (b&w), up to 160 ipm (color)	<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB	<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS 10 X Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Bit depth / Grayscale levels</b>	24-bit / 256	<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/irprint">www.novell.com/irprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescal; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page	<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 22 cpm; <b>Color (letter):</b> Up to 22 cpm	<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 1200 x 1200 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi	<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.3 B(A), printing color simplex A4 at 22 ppm; <b>Acoustic Pressure Emissions:</b> 48 dB(A), printing color simplex A4 at 22 ppm
<b>Maximum Number Of Copies</b>	Up to 999 copies	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> -14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Copier Resize</b>	25 to 400%	<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview	<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DOD Card Reader C543B, SPRINT - Classified Card Reader FB830A, FII USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>Fax Speed</b>	Up to: 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>	<b>HP Service and Support Options</b>	U9LP3E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP4E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP5E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP6E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP7E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP8E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi		
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port		
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.		
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>		
<b>Memory</b>	<b>Standard:</b> 6 GB; <b>Maximum:</b> 6 GB		
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> One 320 GB Standard, embedded HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages		
<b>Recommended Monthly Page Volume</b>	Up to 30,000 pages		
<b>Media Types Supported</b>	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WG/Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored		

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



Learn more at  
[hp.com](http://hp.com)



# HP A3 **Color** LaserJet E77822dn

## 22PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A61A	Base Engine for E77822dn	\$10,507.30
X3A78A	Speed Option E77822dn	\$1.00
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**



# HP Color LaserJet Managed Flow MFP E77822z



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Letter: Up to 22 ppm black; Up to 22 ppm color; First Page Out: As fast as 10.1 sec black; As fast as 12.3 sec color

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 7 GB; Maximum: 7 GB

**MobilePrintingCapability:** SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication

**PaperHandling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 22 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP Color LaserJet Managed Flow MFP E77822z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 22 ppm black; Up to 22 ppm color. <b>First Page Out:</b> As fast as 10.1 sec black; As fast as 12.3 sec color <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> UP to 600 x 600 dpi; <b>Optical:</b> UP to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prr, .crl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (DXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit Depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescape; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 22 cpm; <b>Color (letter):</b> Up to 22 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 1200 x 1200 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; No z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jeti products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500 GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly:</b> letter: Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 30,000 pages
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER)
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 34,000) W9040MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 32,000) W9041MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 32,000) W9042MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 32,000) W9043MC <sup>8</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.5 x 36.5 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	176.92 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell Print Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.4 B(A), printing color simplex A4 at 22 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A), printing color simplex A4 at 22 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> -14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, D00 CAC Card Reader CC543B, SIPRNet - Classified Card Reader FB30A, FIH USB Foreign Interface Harness BS513A, Two internal USB ports for solutions BS528A, HDD HP Secure High Performance Hard Disk Drive BS529A, HP JetDirect USB Wireless Print Server JB031A, HP JetDirect Wireless Print Server with NFC JB030A, HPAC Card Reader - HP1 CZ208A, HPAC Card Reader - HP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LP3E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP4E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP5E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP6E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP7E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP8E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. This should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. Windows is a registered trademark of Microsoft Corporation. AirPrint, iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



# HP A3 **Color** LaserJet Flow MFP E77822z 22PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB), 250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A64A	Base Engine for E77822z	\$13,276.87
X3A77A	Speed Option for E77822z	\$1.00
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP Color LaserJet Managed MFP E77825dn

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 25 ppm black; Up to 25 ppm color; First Page Out: As fast as 8.2 sec black; As fast as 9.3 sec color

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 6 GB; Maximum: 6 GB  
**Mobile Printing Capability:** SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication

**Paper Handling:** 100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 25 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.
- Load up to 100 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP Color LaserJet Managed MFP E77825dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 25 ppm black; Up to 25 ppm color; <b>First Page Out:</b> As fast as 9.8 sec black; As fast as 11.8 sec color <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>1</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.psn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 5.5 x 8.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color) <sup>3</sup> <b>Duplex:</b> Up to 160 ipm (b&w), up to 160 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Scan to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescalp; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 25 cpm; <b>Color (letter):</b> Up to 25 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 1200 x 1200 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 6 GB; <b>Maximum:</b> 6 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> One 320 GB Standard, embedded HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities; Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk. Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 30,000 pages
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WeightGlossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin; <b>DuplexOptions:</b> Automatic (standard); <b>AutoDocumentFeederCapacity:</b> Standard, 250 sheets; <b>EnvelopePaper:</b> No; <b>StandardPaperTrays:</b> 3; <b>Input Capcites:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 34,000) W9040MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 32,000) W9041MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 32,000) W9042MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 32,000) W9043MC <sup>8</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 22.3 x 28.5 x 34.6 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	176.92 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Fedora (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients www.novell.com/print, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint, Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%) <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.4 B(A), printing color simplex A4 at 25 ppm; <b>Acoustic Pressure Emissions:</b> 48 dB(A), printing color simplex A4 at 25 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCI WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spoker Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DDD CAD Card Reader C5C43B, SIPRNet - Classified Card Reader F8B30A, FIH USB Foreign Interface BNS531A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HP1 CZ208A, HPAC Card Reader - HP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LP3E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP4E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP5E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP6E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP7E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP8E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not connect operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.





# HP A3 **Color** LaserJet E77825dn

## 25PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A61A	Base Engine for E77825dn	\$10,507.30
X3A81A	Speed Option for E77825dn	\$810.57
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**



# HP Color LaserJet Managed Flow MFP E77825z



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 25 ppm black; Up to 25 ppm color; First Page Out: As fast as 9.8 sec black; As fast as 11.8 sec color  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port  
**Standard Memory:** Standard: 7 GB; Maximum: 7 GB  
**Mobile Printing Capability:** SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication  
**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin  
**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

### Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

### Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 25 ppm.<sup>3</sup>

### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP Color LaserJet Managed Flow MFP E77825z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes	<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Print Speed</b>	<b>Letter:</b> Up to 25 ppm black; Up to 25 ppm color. <b>First Page Out:</b> As fast as 9.8 sec black; As fast as 11.8 sec color <sup>3</sup>	<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed	<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Print Technology</b>	Laser	<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet feeder; ADF: 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible	<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 34,000) W9040MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 32,000) W9041MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 32,000) W9042MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 32,000) W9043MC <sup>8</sup>
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.	<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.5 x 36.5 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Admin Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager	<b>Product Weight</b>	176.92 lb
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS	<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi	<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prr, .crl, .cht)	<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXPE) applications	<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in	<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)	<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42, 1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB	<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Bit depth / Grayscale levels</b>	24-bit / 256	<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescal; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page	<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 25 cpm; <b>Color (letter):</b> Up to 25 cpm	<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.5 B(A), printing color simplex A4 at 25 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A), printing color simplex A4 at 25 ppm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 1200 x 1200 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Maximum Number Of Copies</b>	Up to 999 copies	<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Copier Resize</b>	25 to 400%	<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DOD CAC Card Reader CC543B, SPRNet - Classified Card Reader FB830A, Fire USB Foreign Interface Harness BSL31A, Two internal USB ports for solutions BSL28A, HDD HP Secure High Performance Hard Disk Drive BSL29A, HP JetDirect USB Wireless Print Server 8B031A, HP JetDirect Wireless Print Server with NFC 8B030A, HPAC Card Reader - HIP1 C2D08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; No Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview	<b>HP Service and Support Options</b>	U9LP3E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP4E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP5E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP6E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP7E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP8E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>		
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi		
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port		
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.		
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>		
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB		
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500 GB FIPS 140-2 validated hard disk instead.		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages		
<b>Recommended Monthly Page Volume</b>	Up to 30,000 pages		
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WtGlossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored		

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



Learn more at  
[hp.com](http://hp.com)

# HP A3 **Color** LaserJet Flow MFP E77825z 25PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB), 250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A64A	Base Engine for E77825z	\$13,276.87
X3A80A	Speed Option for E77825z	\$809.56
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP Color LaserJet Managed MFP E77830dn

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 30 ppm black; Up to 30 ppm color; First Page Out: As fast as 8 sec black; As fast as 8.6 sec color  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port  
**Standard Memory:** Standard: 6 GB; Maximum: 6 GB  
**Mobile Printing Capability:** SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication  
**Paper Handling:** 100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin  
**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 30 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.
- Load up to 100 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP Color LaserJet Managed MFP E77830dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 30 ppm black; Up to 30 ppm color; <b>First Page Out:</b> As fast as 8 sec black; As fast as 8.6 sec color <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> UP to 600 x 600 dpi; <b>Optical:</b> UP to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .ch) Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 5.5 x 8.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color) <sup>3</sup> <b>Duplex:</b> Up to 160 ipm (b&w), up to 160 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescal; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 30 cpm; <b>Color (letter):</b> Up to 30 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 1200 x 1200 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to: 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 6 GB; <b>Maximum:</b> 6 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> One 320 GB Standard, embedded HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 30,000 pages
<b>Media Types Supported</b>	Plain, HP EcoEfficient, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHyGlossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet input tray; 250-sheet input tray; 520-sheet input tray; 100 sheet ADF; 500 sheet face-down output bin; <b>DuplexOptions:</b> Automatic (standard); <b>AutoDocumentFeederCapacity:</b> Standard, 250 sheets; <b>EnvelopeFeeder:</b> No; <b>Standard/PaperTrays:</b> 3; <b>InputCapacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 34,000) W9040MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 32,000) W9041MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 32,000) W9042MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 32,000) W9043MC <sup>8</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 22.3 x 28.5 x 34.6 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	176.92 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/irprint">www.novell.com/irprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A), printing color simplex A4 at 30 ppm; <b>Acoustic Pressure Emissions:</b> 51 dB(A), printing color simplex A4 at 30 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, D000 CAC Card Reader C5C43B, S1PRNt - Classified Card Reader F8B30A, F1H USB Foreign Interface Harness B5L31A, two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HP1 C2Z08A, HPAC Card Reader - HP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LP3E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP4E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP5E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP6E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP7E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9LP8E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.





# HP A3 **Color** LaserJet E77830dn

## 30PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A61A	Base Engine for E77830dn	\$10,507.30
X3A84A	Speed Option for E77830dn	\$2,130.43
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**



# HP Color LaserJet Managed Flow MFP E77830z



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 30 ppm black; Up to 30 ppm color  
First Page Out: As fast as 9.7 sec black; As fast as 11.4 sec color

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)



Mac



## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 30 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP Color LaserJet Managed Flow MFP E77830z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes	<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Print Speed</b>	<b>Letter:</b> Up to 30 ppm black; Up to 30 ppm color; <b>First Page Out:</b> As fast as 9.7 sec black; As fast as 11.4 sec color <sup>3</sup>	<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed	<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Print Technology</b>	Laser	<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible	<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 34,000) W9040MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 32,000) W9041MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 32,000) W9042MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 32,000) W9043MC <sup>8</sup>
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.	<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.5 x 36.5 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager	<b>Product Weight</b>	176.92 lb
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS	<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi	<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prr, .crl, .cht)	<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications	<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in	<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)	<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB	<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (For Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (For Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (For Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell Print Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Bit Depth / Grayscale levels</b>	24-bit / 256	<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescape; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page	<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 30 ppm; <b>Color (letter):</b> Up to 30 ppm	<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A), printing color simplex A4 at 30 ppm; <b>Acoustic Pressure Emissions:</b> 51 dB(A), printing color simplex A4 at 30 ppm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 1200 x 1200 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature Range:</b> 59 to 86°F; <b>Storage Temperature Range:</b> -14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Maximum Number Of Copies</b>	Up to 999 copies	<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Copier Resize</b>	25 to 400%	<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WY1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, D00 CAC Card Reader CC543B, SIPRNet - Classified Card Reader FB830A, FIH USB Foreign Interface Harness BS513A, Two internal USB ports for solutions BS528A, HDD HP Secure High Performance Hard Disk Drive BS529A, HP JetDirect USB Wireless Print Server JB031A, HP JetDirect Wireless Print Server with NFC JB030A, HPAC Card Reader - HP1 CZ208A, HPAC Card Reader - HP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; No Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview	<b>HP Service and Support Options</b>	U9L3E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9L4E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9L5E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9L6E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9L7E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed; U9L8E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E778xx MFP Managed
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>	<b>Learn more at</b>	<a href="http://hp.com">hp.com</a>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi		
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port		
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.		
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>		
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB		
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500 GB FIPS 140-2 validated hard disk instead.		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages		
<b>Recommended Monthly Page Volume</b>	Up to 30,000 pages		
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, HP Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvGlossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored		

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 **Color** LaserJet Flow MFP E77830z

## 30PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB), 250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A64A	Base Engine for E77830z	\$13,276.87
X3A83A	Speed Option for E77830z	\$2,130.43
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP Color LaserJet Managed MFP E87640dn

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 40 ppm black; Up to 40 ppm color; First Page Out: As fast as 6.4 sec black; As fast as 7.5 sec color  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port  
**Standard Memory:** Standard: 7 GB; Maximum: 7 GB  
**Mobile Printing Capability:** Yes  
**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin  
**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

### Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

### Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 40 ppm.<sup>3</sup>

### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP Color LaserJet Managed MFP E87640dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 40 ppm black; Up to 40 ppm color; <b>First Page Out:</b> As fast as 6.4 sec black; As fast as 7.5 sec color <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPRLGLO, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy, E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) <sup>3</sup> <b>Duplex:</b> Up to 180 ipm (b&w), up to 180 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to SFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 40 cpm; <b>Color (letter):</b> Up to 40 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to: 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Yes <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk; Total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 40,000
<b>Media Types Supported</b>	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-W/Glossy 96-110g, Hwy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, HwyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 54,500) W9050MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 52,000) W9051MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 52,000) W9052MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 52,000) W9053MC <sup>7</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	249.3 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Information</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOs 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1 Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenApp 6.0/6.5/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenApp 7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Citrix XenDesktop 5.6/7.0/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenDesktop 7.0/7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Citrix XenDesktop 7.5/7.5/8, Citrix XenApp Clients: www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint, Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>5</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.5 B(A) printing color simplex using A4 paper at 40 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A) printing color simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCJ Department Y1G21A, 3000 Sheet side HCJ Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stapler Finisher Y1G18A, Stapler/Stapler Finisher Staples Y1G10A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD Card Card Reader CC543B, SIPRNet - Classified Card Reader F8B30A, FIH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D00A, HPAC Card Reader - HIP2 X3D00A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LS7E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LS8E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LS9E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LT0E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LT1E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LT2E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed

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<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17.<sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared field value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>6</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>7</sup> Average color composite (CMY) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>8</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.





# HP A3 **Color** LaserJet E87640dn

## 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
250 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A73A	Base Engine for E87640dn	\$20,903.83
X3A87A	Speed Option for E87640dn	\$1.00
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**



# HP Color LaserJet Managed Flow MFP E87640z



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 40 ppm black; Up to 40 ppm color; First Page Out: As fast as 8.2 sec black; As fast as 9.3 sec color  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port  
**Standard Memory:** Standard: 7 GB; Maximum: 7 GB  
**Mobile Printing Capability:** Yes  
**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin  
**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

### Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

### Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 40 ppm.<sup>3</sup>

### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP Color LaserJet Managed Flow MFP E87640z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 40 ppm black; Up to 40 ppm color; <b>First Page Out:</b> As fast as 8.2 sec black; As fast as 9.3 sec color <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONLEXE, HPRLGLO, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIF, MTIF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIF, MTIF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.pm, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXF) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>8</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescape; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 40 cpm; <b>Color (letter):</b> Up to 40 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Yes <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk. Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 40,000
<b>Media Types Supported</b>	Plain, HP EcoEfficient, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperbond 221-255g, Paperbond 256-300g, Heavy Paperbond, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray; 2 x 520-sheet input tray; 520-sheet input tray; 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard: 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 54,500) W9050MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 52,000) W9051MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 52,000) W9052MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 52,000) W9053MC <sup>7</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	290.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macos 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, Unix, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1 Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenApp 6.0/6.5/7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Citrix XenDesktop 5.6, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenDesktop 5.6/7.0/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenDesktop 7.0/7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell Print Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>5</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.5 B(A) printing color simplex using A4 paper at 40 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A) printing color simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCI Department Y1G21A, 3000 Sheet side HCI Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DDD CAC Card Reader CC543B, SIPRNet - Classified Card Reader F8B30A, FiH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9L57E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L58E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L59E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L70E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L71E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L72E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17.<sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless<sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>6</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>7</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>8</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 **Color** LaserJet Flow MFP E87640z 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB),  
250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A76A	Base Engine for E87640z	\$23,673.39
X3A86A	Speed Option for E87640z	\$1.00
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP Color LaserJet Managed MFP E87650dn

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 50 ppm black; Up to 50 ppm color; First Page Out: As fast as 6 sec black; As fast as 6.9 sec color

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** Yes

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 50 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP Color LaserJet Managed MFP E87650dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes	<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Print Speed</b>	<b>Letter:</b> Up to 50 ppm black; Up to 50 ppm color; <b>First Page Out:</b> As fast as 6 sec black; As fast as 6.9 sec color <sup>2</sup>	<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed	<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Print Technology</b>	Laser	<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible	<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 54,500) W9050MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 52,000) W9051MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 52,000) W9052MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 52,000) W9053MC <sup>7</sup>
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.	<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager	<b>Product Weight</b>	290.2 lb
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS	<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi	<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications	<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in	<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Scan Speed</b>	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) <sup>3</sup> <b>Duplex:</b> Up to 180 ipm (b&w), up to 180 ipm (color)	<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB	<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOs 10.11 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, Citrix XenApp, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding x86 OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Bit depth / Grayscale levels</b>	24-bit / 256	<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1 Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5, (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit) Citrix XenApp 6.0/6.5/7.5, (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit) Citrix XenApp 7.5, (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit) Citrix XenDesktop 5.6, (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit) Citrix XenDesktop 5.6/7.0/7.5, (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit) Citrix XenDesktop 7.0/7.5, (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit) Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/irprint">www.novell.com/irprint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/irprint">www.novell.com/irprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to SFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Sense; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page	<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 50 cpm; <b>Color (letter):</b> Up to 50 cpm	<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%); <sup>2</sup>
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi	<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) printing color simplex using A4 paper at 50 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A) printing color simplex using A4 paper at 40 ppm
<b>Maximum Number Of Copies</b>	Up to 999 copies	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Copier Resize</b>	25 to 400%	<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview	<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stapler Finisher Y1G18A, Stapler/Stapler Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD Card Card Reader CC543B, SiPNe - Classified Card Reader F8B30A, FiH USB Foreign Interface Harness BSL31A, Two internal USB ports for solutions BSL28A, HDD HP Secure High Performance Hard Drive BSL29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2208A, HPAC Card Reader - HIP1 X3D003A, HPAC Card Reader - HIP2 X3D003A, Analog Fax Accessory CC487A
<b>Fax Speed</b>	Up to: 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>	<b>HP Service and Support Options</b>	U9L57E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L58E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L59E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L60E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L71E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L72E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi		
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port		
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)		
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.		
<b>Mobile Printing Capability</b>	Yes <sup>3</sup>		
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB		
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages		
<b>Recommended Monthly Page Volume</b>	Up to 45,000		
<b>Media Types Supported</b>	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-W/Glossy 96-110g, Hwy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XW/Glossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored		

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless 4. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>6</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>7</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>8</sup> scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



Learn more at  
[hp.com](http://hp.com)



# HP A3 **Color** LaserJet E87650dn

## 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
250 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
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J8031A	Jetdirect 2900nw Print Server	\$184.18
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CZ208A	AC USB Proximity Reader	\$199.00
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**With External Finisher**



# HP Color LaserJet Managed Flow MFP E87650z



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 50 ppm black; Up to 50 ppm color; First Page Out: As fast as 7.3 sec black; As fast as 8.4 sec color  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port  
**Standard Memory:** Standard: 7 GB; Maximum: 7 GB  
**Mobile Printing Capability:** Yes  
**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin  
**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

### Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

### Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 50 ppm.<sup>3</sup>

### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP Color LaserJet Managed Flow MFP E87650z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 50 ppm black; Up to 50 ppm color; <b>First Page Out:</b> As fast as 7.3 sec black; As fast as 8.4 sec color <sup>1</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Admin Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prr, .crl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Sense; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 50 cpm; <b>Color (letter):</b> Up to 50 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N to Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mno; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jeti products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Yes <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 45,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, HvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 54,500) W9050MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 52,000) W9051MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 52,000) W9052MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 52,000) W9053MC <sup>7</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	290.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1 Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenApp 6.0/6.5/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenApp 7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Citrix XenDesktop 5.6, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenDesktop 5.6/7.0/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenDesktop 7.0/7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/iproint">www.novell.com/iproint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iproint">www.novell.com/iproint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>2</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 (BA) printing color simplex using A4 paper at 50 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A) printing color simplex using A4 paper at 50 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet Side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DDC Card Reader CC543B, SiPRNet - Classified Card Reader F8B30A, FiH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP JetDirect High Performance Hard Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D003A, HPAC Card Reader - HIP2 X3D003A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9L57E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L58E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L59E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L60E - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L11E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L12E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image # 1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17.<sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.<sup>3</sup> Optional Wireless Direct and Wireless<sup>4</sup> Declared field value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>.<sup>5</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.<sup>6</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.<sup>7</sup> Average color composite (CMY) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>.<sup>8</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 **Color** LaserJet Flow MFP E87650z

## 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB),  
250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A76A	Base Engine for E87650z	\$23,673.39
X3A89A	Speed Option for E87650z	\$4,814.78
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP Color LaserJet Managed MFP E87660dn

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 60 ppm black; Up to 60 ppm color; First Page Out: As fast as 5.3 sec black; As fast as 6.3 sec color

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** Yes

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 60 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP Color LaserJet Managed MFP E87660dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; Up to 60 ppm color; <b>First Page Out:</b> As fast as 5.3 sec black; As fast as 6.3 sec color <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>1</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web JetAdmin Software; Resource Kit for HP Web JetAdmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (prn, pcl, chf)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) <sup>3</sup> <b>Duplex:</b> Up to 180 ipm (b&w), up to 180 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Smartphone; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Area; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 60 cpm; <b>Color (letter):</b> Up to 60 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Yes <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000
<b>Media Types Supported</b>	Plain, HP EcoEICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hwy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XrayGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored
<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> <b>Input Capacities:</b> up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 54,500) W9050MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 52,000) W9051MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 52,000) W9052MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 52,000) W9053MC <sup>7</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	290.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (Home XP, Home Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1 Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenApp 6.0/6.5/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenApp 7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Citrix XenDesktop 5.6, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenDesktop 5.6/7.0/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenDesktop 7.0/7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iPrint">www.novell.com/iPrint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/Foundation/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>2</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A) printing color simplex using A4 paper at 60 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A) printing color simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCI Department Y1G21A, 3000 Sheet side HCI Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD CAC Card Reader CC543B, SIPRNet - Classified Card Reader F8B30A, Fih USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9L57E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L58E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L59E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LTOE - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L1E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L1ZE - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless 4 Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. <sup>4</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



Learn more at [hp.com](http://hp.com)



# HP A3 **Color** LaserJet E87660dn

## 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
250 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A73A	Base Engine for E87660dn	\$20,903.83
X3A93A	Speed Option for E87660dn	\$9,075.65
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**



# HP Color LaserJet Managed Flow MFP E87660z



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Letter: Up to 60 ppm black; Up to 60 ppm color; First Page Out: As fast as 7.0 sec black; As fast as 8.1 sec color  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed; Color (best): Up to 1200 x 1200 dpi reduced speed  
**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port  
**Standard Memory:** Standard: 7 GB; Maximum: 7 GB  
**Mobile Printing Capability:** Yes  
**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin  
**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

### Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

### Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 60 ppm.<sup>3</sup>

### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP Color LaserJet Managed Flow MFP E87660z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; Up to 60 ppm color. <b>First Page Out:</b> As fast as 7.0 sec black; As fast as 8.1 sec color <sup>1</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed; <b>Color (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>11</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web JetAdmin Software; Resource Kit for HP Web JetAdmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .crl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (DXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit Depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescal; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 60 cpm; <b>Color (letter):</b> Up to 60 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/memo; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000 network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000 Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000 Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Yes <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-W/Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standards); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 54,500) W9050MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 52,000) W9051MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 52,000) W9052MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 52,000) W9053MC <sup>7</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	290.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1 Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5, [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit] Citrix XenApp 6.0/6.5/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenApp 7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Citrix XenDesktop 5.6/7.0/7.5, [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit] Citrix XenDesktop 7.0/7.5, [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit] Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>2</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A) printing color simplex using A4 paper at 60 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A) printing color simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD Card Card Reader CC543B, SIPRNet - Classified Card Reader F8B30A, Fih USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9L57E - HP 1 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L58E - HP 3 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L59E - HP 4 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9LTOE - HP 5 yr Next Business Day Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L11E - HP 3 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed; U9L12E - HP 4 yr 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet E876xx MFP Managed

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>6</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>7</sup> Average color composite (CMY) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>8</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



Learn more at [hp.com](http://hp.com)

# HP A3 **Color** LaserJet Flow MFP E87660z 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB),  
250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A76A	Base Engine for E87660z	\$23,673.39
X3A92A	Speed Option for E87660z	\$9,075.65
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





## A3 Mono LaserJet MFPs

<b>E72525dn</b>	<b>25PPM BW</b>
<b>E72525z</b>	<b>25PPM BW</b> (Flow Series...Includes keyboard & OCR)
<b>E72530dn</b>	<b>30PPM BW</b>
<b>E72530z</b>	<b>30PPM BW</b> (Flow Series...Includes keyboard & OCR)
<b>E72535dn</b>	<b>35PPM BW</b>
<b>E72535z</b>	<b>35PPM BW</b> (Flow Series...Includes keyboard & OCR)
<b>E82540dn</b>	<b>40PPM BW</b>
<b>E82540z</b>	<b>40PPM BW</b> (Flow Series...Includes keyboard & OCR)
<b>E82550dn</b>	<b>50PPM BW</b>
<b>E82550z</b>	<b>50PPM BW</b> (Flow Series...Includes keyboard & OCR)
<b>E82560dn</b>	<b>60PPM BW</b>
<b>E82560z</b>	<b>60PPM BW</b> (Flow Series...Includes keyboard & OCR)





# HP LaserJet Managed MFP E72525dn



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 25 ppm black; First Page Out: As fast as 7.3 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 6 GB; Maximum: 6 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 25 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP LaserJet Managed MFP E72525dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 25 ppm black; <sup>7</sup> <b>First Page Out:</b> As fast as 7.3 sec black; <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v.1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Flatbed; ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF; Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .cvt)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXF) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 5.5 x 8.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 160 ipm (b&w), up to 160 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 25 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 6 GB; <b>Maximum:</b> 6 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> One 320 GB Standard, embedded HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000 pages
<b>Media Types Supported</b>	Plain, HP EcoEfficient, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8.10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF, 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 48,000) W9005M <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 22.3 x 28.5 x 32.6 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	150.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Store for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7, 8), Linux SUSE (11.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients www.novell.com/printed, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/printed, Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.5 B(A), printing mono simplex, A4 at 25 ppm; <b>Acoustic Pressure Emissions:</b> 49 dB(A), printing mono simplex, A4 at 25 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DDD CAC Card Reader (CS438) SIPNet - Classified Card Reader F8B30A, FHS USB Front Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2208A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	USLU4E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU5E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU6E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU7E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU8E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU9E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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# HP A3 Mono LaserJet E72525dn

## 25PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A67A	Base Engine for E72525dn	\$9,067.13
X3A60A	Speed Option for E72525dn	\$1.00
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G24A	Spacer - <b>Required for External Finishers Only</b>	\$327.76
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed Flow MFP E72525z

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 25 ppm black; First Page Out: As fast as 7.3 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 25 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP LaserJet Managed Flow MFP E72525z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 25 ppm black; <sup>7</sup> <b>FirstPageOut:</b> As fast as 7.3 sec black; <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for every business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Anticipate interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Flatbed; ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OWP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>10</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 25 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text (picture text, mixed, printed picture, photograph); N-Up; No or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000 pages
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Office, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8.10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Office, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Office, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2, 3: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet multi-purpose tray; 2 x 520-sheet input tray; 520-sheet input tray; 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic; <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 48,000) W9005M <sup>8</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.5 x 34.5 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	150.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7, 8), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, Linux, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services, 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.5 dB(A), printing mono simplex, A4 at 25 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A), printing mono simplex, A4 at 25 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heaster Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DDD CAC Card Reader C5549B, SIPNet - Classified Card Reader F8B30A, FH USB Foreign Interface Harness BS131A, Two internal USB ports for solutions BS128A, HDD HP Secure High Performance Hard Disk Drive BS129A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HP1 C220BA, HPAC Card Reader - HP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LU4E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU5E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU6E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU7E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU8E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU9E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 Mono LaserJet Flow MFP E72525z

## 25PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB), 250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A70A	Base Engine for E72525z	\$11,836.70
X3A59A	Speed Option for E72525z	\$1.00
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G24A	Spacer - <b>Required for External Finishers Only</b>	\$327.76
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed MFP E72530dn



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 30 ppm black; First Page Out: As fast as 7.3 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 6 GB; Maximum: 6 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 30 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP LaserJet Managed MFP E72530dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 30 ppm black; <sup>7</sup> <b>First Page Out:</b> As fast as 7.3 sec black; <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusiness that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Flatbed; ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF; Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.lprn, .pct, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXF) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 5.5 x 8.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color) <sup>8</sup> <b>Duplex:</b> Up to 160 ipm (b&w), up to 160 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 30 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 6 GB; <b>Maximum:</b> 6 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> One 320 GB Standard, embedded HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000 pages
<b>Media Types Supported</b>	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet input tray; 520-sheet input tray; 520-sheet input tray; 100 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> Input Capacities: Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>5</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 48,000) W9005M <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 22.3 x 28.5 x 32.6 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	150.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (11.3, 2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS mac OS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%), <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 dBA, printing mono simplex, A4 at 30 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A), printing mono simplex, A4 at 30 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl W4 Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G24A, 2nd exit Y1G23A, Spacer Y1G24H, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, D000 CAC Card Reader (CS43B), SIP/Port - Classified Card Reader FB830A, FH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server JB031A, HP JetDirect Wireless Print Server with NFC JB030A, HPAC Card Reader - HIP1 CZ208A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	USLU4E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU5E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU6E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU7E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU8E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU9E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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# HP A3 Mono LaserJet E72530dn

## 30PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A67A	Base Engine for E72525dn	\$9,067.13
X3A60A	Speed Option for E72525dn	\$1.00
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G24A	Spacer - <b>Required for External Finishers Only</b>	\$327.76
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed Flow MFP E72530z

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 30 ppm black; First Page Out: As fast as 7.3 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network;

1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 7 GB; Maximum: 7 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 30 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP LaserJet Managed Flow MFP E72530z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 30 ppm black; <b>7 First Page Out:</b> As fast as 7.3 sec black; <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Anticipate interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Flatbed; ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>10</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Timescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 30 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; No or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000 pages
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet multi-purpose tray; 2 x 520-sheet input tray; 520-sheet input tray; 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 48,000) W9005M <sup>10</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.5 x 34.5 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	150.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7, 8), Linux SUSE (11.2, 11.3, 11.4), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS Mac OS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, LINUX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Services <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 dBA, printing mono simplex, A4 at 30 ppm; <b>Acoustic Pressure Emissions:</b> 50 dBA, printing mono simplex, A4 at 30 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 20 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCI WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DDD CAC Card Reader CCS49B, SIPRNet - Classified Card Reader F8B30A, FHS USB Foreign Interface Harness BSL31A, Two internal USB ports for solutions BSL28A, HDD HP Secure High Performance Hard Disk Drive BSL30A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC, HPAC Card Reader - HIP1 C2208A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	USLU4E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU5E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU6E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU7E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU8E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU9E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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# HP A3 Mono LaserJet Flow MFP E72530z

## 30PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB), 250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A70A	Base Engine for E72530z	\$11,836.70
X3A62A	Speed Option for E72530z	\$1,320.87
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G24A	Spacer - <b>Required for External Finishers Only</b>	\$327.76
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed MFP E72535dn



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 35 ppm black; First Page Out: As fast as 7.3 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 6 GB; Maximum: 6 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 35 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP LaserJet Managed MFP E72535dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 35 ppm black; <sup>7</sup> <b>FirstPageOut:</b> As fast as 7.3 sec black; <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusiness that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Flatbed; ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF; Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .csh)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 5.5 x 8.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color) <sup>9</sup> <b>Duplex:</b> Up to 160 ipm (b&w), up to 160 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 35 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 300 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 6 GB; <b>Maximum:</b> 6 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> One 320 GB Standard, embedded HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000 pages
<b>Media Types Supported</b>	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet input tray, 520-sheet input tray, 520-sheet input tray, 100 sheet ADF, 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 520 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 48,000) W9005M <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 22.3 x 28.5 x 32.6 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	150.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7, 8), Linux SUSE (11.2, 42), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients www.novell.com/printed, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/printed, Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.8 B(A), printing mono simplex, A4 at 35 ppm; <b>Acoustic Pressure Emissions:</b> 51 dBA, printing mono simplex, A4 at 35 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 20 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Heater Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DDD GAC Card Reader CCS49B, SIPRNET - Classified Card Reader F8B30A, FH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2208A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	USLU4E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU5E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU6E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU7E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU8E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed; USLU9E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Drive and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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# HP A3 Mono LaserJet E72535dn

## 35PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A67A	Base Engine for E72535dn	\$9,067.13
X3A66A	Speed Option for E72535dn	\$2,641.74
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G24A	Spacer - <b>Required for External Finishers Only</b>	\$327.76
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed Flow MFP E72535z

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 35 ppm black; First Page Out: As fast as 7.3 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 7 GB; Maximum: 7 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 35 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP LaserJet Managed Flow MFP E72535z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 35 ppm black; <sup>7</sup> <b>First Page Out:</b> As fast as 7.3 sec black; <sup>3</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v.1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Flatbed; ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>9</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to SFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescal; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 35 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>2</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>4</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 50,000 pages
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1: 16 to 46 lb bond; Tray 2, 3: 16 to 58 lb bond
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Office, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Office, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Office, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
<b>Paper Handling</b>	100-sheet multi-purpose tray; 2 x 520-sheet input tray; 520-sheet input tray; 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feed Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers (DOES NOT INCLUDE TONER) <sup>1</sup>
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 48,000) W9005M <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.5 x 34.5 in; <b>Maximum:</b> 47 x 50 x 30.5 in
<b>Product Weight</b>	150.2 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7, 8), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.10, 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/printed">www.novell.com/printed</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%), <sup>6</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A), printing mono simplex, A4 at 35 ppm; <b>Acoustic Pressure Emissions:</b> 51 dB(A), printing mono simplex, A4 at 35 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	Cabinet Workgroup Y1G17A, Dual Cassette Feeder (2x520) Workgroup Y1F97A, 2000 Sheet HCl WG Y1F99A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Booklet Finisher Y1G07A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Job Separator WG Y1G15A, Tray Hester Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, DDD CAC Card Reader CC549B, SIPNet - Classified Card Reader FB830A, FH USB Forensic Interface Harness BS131A, Two internal USB ports for solutions BS128A, HDD HP Secure High Performance Hard Disk Drive BS129A, HP JetDirect USB Wireless Print Server JB031A, HP JetDirect Wireless Print Server with NFC B303A, HPAC Card Reader - HP1 C220BA, HPAC Card Reader - HP1 X3D03A, HPAC Card Reader - HP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LU4E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU5E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU6E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU7E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU8E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed; U9LU9E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E725xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> No, please purchase USB cable separately (EMEA, Americas; AP) (Service Technician must install units) <sup>2</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>3</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Optional Wireless Direct and Wireless <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. <sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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# HP A3 Mono LaserJet Flow MFP E72535z

## 35PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB), 250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A70A	Base Engine for E72535z	\$11,836.70
X3A65A	Speed Option for E72535z	\$2,641.74
Y1G17A	Cabinet	\$830.87
Y1F97A	Dual Cassette 2 x 520 Sheets	\$2,045.22
Y1F99A	2000 Sheet High Capacity Input	\$3,890.00
Y1G23A	2nd Exit - <b>Required for all Finishers</b>	\$196.66
Y1G24A	Spacer - <b>Required for External Finishers Only</b>	\$327.76
Y1G15A	Job Separator	\$262.50
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
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X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
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CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed MFP E82540dn



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 40 ppm black; First Page Out: As fast as 7 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network;

1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 7 GB; Maximum: 7 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 40 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP LaserJet Managed MFP E82540dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 40 ppm black; <b>First Page Out:</b> As fast as 7sec black. <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusiness that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF; Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pct, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXF) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) <sup>1</sup> <b>Duplex:</b> Up to 180 ipm (b&w), up to 180 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 40 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed; Up to 1200 x 1200 dpi reduced speed; <b>Color (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 100,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 95-110g, Heavy 111-130g, Mid-W/Glossy 95-110g, Hwy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, AiryGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 69,000) W9014Mc <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 20.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	210.8 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Selection</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients (www.novell.com/print, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/print), Windows Server 2003/2003R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) printing mono simplex using A4 paper at 40 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A) printing mono simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HQ Department Y1G21A, 3000 Sheet side HCI Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DDC Card Card Reader CC543B, SiPRnet - Classified Card Reader F8B30A, FiH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory C447A
<b>HP Service and Support Options</b>	U9LR0E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR1E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR2E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR3E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR4E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR5E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17.<sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 Mono LaserJet E82540dn

## 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
250 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A79A	Base Engine for E82540dn	\$17,597.39
X3A69A	Speed Option for E82540dn	\$1.00
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed Flow MFP E82540z

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**PrintSpeed:** Up to 40 ppm black; First Page Out: As fast as 7 sec black

**PrintResolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**StandardConnectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network;

1 Hardware Integration Pocket; 1 Fax modem port

**StandardMemory:** Standard: 7 GB; Maximum: 7 GB

**MobilePrintingCapability:** Yes

**PaperHandling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)



## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 40 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP LaserJet Managed Flow MFP E82540z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 40 ppm black; <b>First Page Out:</b> As fast as 7sec black. <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v.1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>7</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB Drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescalp; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 40 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed; Up to 1200 x 1200 dpi reduced speed; <b>Color (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text (picture text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 100,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 110g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet feeder; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feed Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 69,000) W9014M <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	210.8 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home Button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Information</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/irprint">www.novell.com/irprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) printing mono simplex using A4 paper at 40 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A) printing mono simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD Card Card Reader CC543B, SIPRNet - Classified Card Reader F8B30A, FII USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 CC208A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LR0E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR1E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR2E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR3E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR4E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR5E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 Mono LaserJet Flow MFP E82540z

## 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB),  
250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A82A	Base Engine for E82540z	\$20,366.96
X3A68A	Speed Option for E82540z	\$1.00
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed MFP E82550dn



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Up to 50 ppm black; First Page Out: As fast as 6 sec black

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network;

1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** Yes

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 50 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP LaserJet Managed MFP E82550dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 50 ppm black; <b>First Page Out:</b> As fast as 6 sec black; <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXPE) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) <sup>1</sup> <b>Duplex:</b> Up to 180 ipm (b&w), up to 180 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 50 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed; Up to 1200 x 1200 dpi reduced speed; <b>Color (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 100,000
<b>Media Types Supported</b>	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hwy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, AirWayGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 69,000) W9014MC <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	210.8 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home Button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Information</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/irprint">www.novell.com/irprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) printing mono simplex using A4 paper at 50 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A) printing mono simplex using A4 paper at 50 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature Range:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DDD Card Card Reader CC543B, SiPRnet - Classified Card Reader F8B30A, FiH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 CZ208A, HPAC Card Reader - HIP1 X3D003A, HPAC Card Reader - HIP2 X3D003A, Analog Fax Accessory CA487A
<b>HP Service and Support Options</b>	U9LROE - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR1E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR2E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR3E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR4E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR5E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 Mono LaserJet E82550dn

## 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
250 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A79A	Base Engine for E82550dn	\$17,597.39
X3A72A	Speed Option for E82550dn	\$4,772.17
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed Flow MFP E82550z

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Up to 50 ppm black; First Page Out: As fast as 6 sec black

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network;

1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** Yes

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 50 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



Mac



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP LaserJet Managed Flow MFP E82550z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 50 ppm black; <b>First Page Out:</b> As fast as 6 sec black; <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v.1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>7</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Timescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 50 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed; Up to 1200 x 1200 dpi reduced speed; <b>Color (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 100,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 110g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 69,000) W9014M <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	210.8 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, iPrint Servers <a href="http://www.novell.com/iPrint">www.novell.com/iPrint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) printing mono simplex using A4 paper at 40 ppm; <b>Acoustic Pressure Emissions:</b> 50 dB(A) printing mono simplex using A4 paper at 40 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> -14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCI Department Y1G21A, 3000 Sheet side HCI Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DDC Card Reader CC543B, SIPRNet - Classified Card Reader F8B30A, FII USB Foreign Interface Harness B5L31A, Two Internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 CC2208A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LR0E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR1E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR2E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR3E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR4E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR5E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless 4 Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>4</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>5</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>6</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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# HP A3 Mono LaserJet Flow MFP E82550z

## 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB),  
250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A82A	Base Engine for E82550z	\$20,366.96
X3A71A	Speed Option for E82550z	\$4,772.17
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed MFP E82560dn



Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Up to 60 ppm black; First Page Out: As fast as 6 sec black

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** Yes

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 60 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersecurity>

# HP LaserJet Managed MFP E82560dn Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; <b>First Page Out:</b> As fast as 6 sec black; <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF; Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) <sup>1</sup> <b>Duplex:</b> Up to 180 ipm (b&w), up to 180 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 60 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed; Up to 1200 x 1200 dpi reduced speed; <b>Color (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	Up to 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (above to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 100,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hwy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, AiryGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> <b>Input Capacities:</b> Up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 69,000) W9014MC <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	210.8 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients www.novell.com/print, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 2 for Linux, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/print, Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A) printing mono simplex using A4 paper at 60 ppm; <b>Acoustic Pressure Emissions:</b> 51 dB(A) printing mono simplex using A4 paper at 60 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Relative Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD Card Card Reader CC543B, SiPRNet - Classified Card Reader F8B30A, FiH USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LROE - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR1E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR2E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR3E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR4E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR5E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



# HP A3 Mono LaserJet E82560dn

## 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB), 250 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A79A	Base Engine for E82560dn	\$17,597.39
X3A75A	Speed Option for E82560dn	\$9,033.04
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**





# HP LaserJet Managed Flow MFP E82560z

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.<sup>1</sup>



**Print Speed:** Up to 60 ppm black; First Page Out: As fast as 6 sec black

**Print Resolution:** Black (best): Up to 1200 x 1200 dpi reduced speed

**Standard Connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port

**Standard Memory:** Standard: 7 GB; Maximum: 7 GB

**Mobile Printing Capability:** Yes

**Paper Handling:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin

**Display:** 8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)

## High quality, low cost

- Print premium, professional-quality documents with sharp text and crisp graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.
- Choose from a range of modular accessories designed to adapt to the needs of workgroups of all sizes.

## Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>2</sup>
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast—up to 60 ppm.<sup>3</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on the MFP and in transit over the network. Store data on the encrypted hard disk.<sup>4</sup>
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity> <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

# HP LaserJet Managed Flow MFP E82560z Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan (fax and wireless optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; <b>First Page Out:</b> As fast as 6 sec black; <sup>2</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi reduced speed
<b>Print Technology</b>	Laser
<b>Print Cartridges Number</b>	1 (1 black cartridge)
<b>Standard Print languages</b>	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
<b>Printer Smart Software Features</b>	NBusinesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers professional quality, maximum uptime, and the strongest security. <sup>1</sup> Quality printing for a great value is a smart choice for any business. Produce premium, professional-quality documents at a competitive low cost with an HP LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm <sup>10</sup> —and avoid extra steps with a Flow MFP designed for maximum productivity.
<b>Printer Management</b>	Printer Administrator Resource Kit for HP Universal Print Driver (UPD) Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCONEXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers; HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager
<b>Scan Type / Technology</b>	Flatbed, ADF / Platen Scanner CCD Digital-CIS
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 x 600 dpi
<b>Scan File Format</b>	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready Files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11 x 17 in Maximum; 4.3 x 5.5 in Minimum; <b>Flatbed:</b> 11 x 17 in
<b>Scan Speed</b>	Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) <sup>7</sup> ; <b>Duplex:</b> Up to 240 ipm (b&w), up to 240 ipm (color)
<b>Scanner Advanced Features</b>	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to SFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Timescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 60 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed; Up to 1200 x 1200 dpi reduced speed; <b>Color (text and graphics):</b> Up to 1200 x 1200 dpi reduced speed
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text (picture text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>1</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
<b>Network Capabilities</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Network Ready</b>	Standard (built-in Gigabit 10/100/1000T Ethernet)
<b>Wireless Capability</b>	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the connectivity section, above.
<b>Mobile Printing Capability</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in <sup>3</sup>
<b>Memory</b>	<b>Standard:</b> 7 GB; <b>Maximum:</b> 7 GB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 640 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk). Note: U.S. government SKU uses 500GB FIPS 140-2 validated hard disk instead.
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages
<b>Recommended Monthly Page Volume</b>	Up to 100,000
<b>Media Types Supported</b>	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Hvy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Carstock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored

<b>Media Weight Supported</b>	Tray 1, 2, 3: 16 to 78 lb bond (166 lb Index)
<b>Media Sizes Supported</b>	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch, Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
<b>Media Sizes Custom</b>	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
<b>Paper Handling</b>	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 520-sheet input tray, 250 sheet ADF; 500 sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 250 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays 3:</b> <b>Input Capacities:</b> up to 520 sheets; <b>Output Capacities:</b> Up to 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER
<b>Replacement Cartridges</b>	HP Black Managed LJ Toner Cartridge (ISO Yield 69,000) W9014MC <sup>6</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 23 x 30.3 x 36.7 in; <b>Maximum:</b> 47 x 66 x 30.5 in
<b>Product Weight</b>	210.8 lb
<b>Warranty Features</b>	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	Energy Star; Blue Angel; EPEAT silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
<b>Display Description</b>	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 110 to 127VAC (+/- 10%), 220 to 240VAC (+/- 10%), 50/60 Hz (+/- 3%)
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) printing mono simplex using A4 paper at 40 ppm; <b>Acoustic Pressure Emissions:</b> 51 dB(A) printing mono simplex using A4 paper at 60 ppm
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Storage Temperature Range:</b> 14 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 20 to 80% RH, <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
<b>Accessories</b>	HP Cabinet Department Y1G16A, Dual Cassette Feeder (2x520) Department Y1F98A, 2000 Sheet HCl Department Y1G21A, 3000 Sheet Side HCl Department Y1G20A, Inner Finisher Y1G00A, Inner Finisher Hole Punch 2/3 Y1G02A, Inner Finisher Hole Punch 2/4 Y1G03A, Inner Finisher Hole Punch Swedish Y1G04A, Stapler/Stacker Finisher Y1G18A, Stapler/Stacker Finisher Staples Y1G14A, Inner Finisher & Booklet Maker Staples Y1G13A, Booklet Finisher Y1G07A, Hole Punch 2/3 Y1G10A, Hole Punch 2/4 Y1G11A, Hole Punch Swedish Y1G12A, Job Separator Department Y1G01A, DOD Card Card Reader CC543B, SiPRNet - Classified Card Reader F8B30A, FII USB Foreign Interface Harness B5L31A, Two internal USB ports for solutions B5L28A, HDD HP Secure High Performance Hard Disk Drive B5L29A, HP JetDirect USB Wireless Print Server J8031A, HP JetDirect Wireless Print Server with NFC J8030A, HPAC Card Reader - HIP1 C2Z08A, HPAC Card Reader - HIP1 X3D03A, HPAC Card Reader - HIP2 X3D03A, Analog Fax Accessory CC487A
<b>HP Service and Support Options</b>	U9LR0E - HP 1 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR1E - HP 3 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR2E - HP 4 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR3E - HP 5 year Next Business Day Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR4E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed; U9LR5E - HP 4 year 4 hour 9x5 Service w/Defective Media Retention for LaserJet E825xx MFP Managed

<sup>1</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>2</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Optional Wireless Direct and Wireless. <sup>4</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>. <sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Average color composite black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.



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# HP A3 Mono LaserJet Flow MFP E82560z

## 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR & USB),  
250 Sheet Doc Feeder, Duplex, Exit Tray, Keyboard and 2 Adjustable 520 Sheet Trays.

Part #	Description	List Price
X3A82A	Base Engine for E82560z	\$20,366.96
X3A74A	Speed Option for E82560z	\$9,033.04
Y1G16A	Cabinet	\$830.87
Y1F98A	Dual Cassette 2 x 520 sheets	\$2,045.22
Y1G21A	2000 Sheet High Capacity Input	\$3,890.00
Y1G20A	3000 Side HCI (dept)	\$5,200.00
Y1G01A	HP LaserJet Job Separator Dept - R/D	\$761.25
Y1G00A	Inner Finisher	\$3,041.61
Y1G18A	External Stapler/Stacker Finisher - 3K Sheets	\$4,687.98
Y1G07A	Booklet Maker Finisher	\$7,914.99
Y1G02A	Hole Punch - 2/3 for Inner Finisher	\$1,825.02
Y1G10A	Hole Punch - 2/3 for External Finisher	\$1,825.02
CC487A	Fax	\$348.00
B5L28A	Internal USB Ports	\$42.02
B5L29A	Secure High Performance Hard Disk Drive	\$616.82
J8030A	Jetdirect 3000w NFC/Wireless Accessory	\$72.93
J8031A	Jetdirect 2900nw Print Server	\$184.18
X3D03A	USB Universal Card Reader	\$199.00
B5L31A	Foreign Interface Harness	\$114.95
CC543B	Smartcard US Govt Niprnet Solution	\$439.00
CZ208A	AC USB Proximity Reader	\$199.00
F5S62A	Trusted Platform Module Print Accessory	\$116.88
F8B30A	Smartcard US Govt Siprnet Solution	\$493.21
Y1G22A	Paper Tray Heaters	\$350.00



**With Inner Finisher**



**With External Finisher**







## A3 **Color** PageWide MFPs

<b>P77740dn</b>	<b>40PPM Color</b> (Includes Fax)
<b>P77740dw</b>	<b>40PPM Color</b> (Includes Fax & Wireless)
<b>P77440dn</b>	<b>40PPM Color</b>
<b>P77940dns</b>	<b>40PPM Color</b> (Includes Finisher)
<b>E77650dn</b>	<b>50PPM Color</b>
<b>E77650dns</b>	<b>50PPM Color</b> (Includes Finisher)
<b>E77650z</b>	<b>50PPM Color</b> (Flow Series...Includes keyboard & OCR)
<b>E77650zs</b>	<b>50PPM Color</b> (Flow Series...Includes keyboard, Finisher & OCR)
<b>E77660dn</b>	<b>60PPM Color</b>
<b>E77660dns</b>	<b>60PPM Color</b> (Includes Finisher)
<b>E77660z</b>	<b>60PPM Color</b> (Flow Series...Includes keyboard & OCR)
<b>E77660zs</b>	<b>60PPM Color</b> (Flow Series...Includes keyboard, Finisher & OCR)





# HP PageWide Managed P77740dn Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



**Professional mode speed:** Up to 40 ppm black; Up to 40 ppm color

**Scan resolution:** Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi

**Copy resolution:** Black (text and graphics): Up to 600 dpi; Up to 600 dpi; Color (text and graphics): Up to 600 dpi

**Standard connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 2 RJ-11 modem port/phone line

**Paper handling:** 2 x 550-sheet Tandem Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin

**Duty cycle (monthly):** Up to 150,000 pages

## Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low color cost per page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>3</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>4</sup>
- Help keep costs down—this HP PageWide MFP uses less energy than any laser competitor in its class.<sup>1</sup>

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide MFP designed for the least maintenance in its class.<sup>5</sup>
- Wait less, do more with best-in-class speeds—as fast as 60 ppm in color and black-and-white.<sup>6</sup>
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.<sup>7</sup>
- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

## Strong security designed to detect and stop attacks

- A suite of embedded security features helps protect your printer from being an entry point for attacks.
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job.
- Easily set configuration policies and automatically validate settings for every HP printer in your fleet.<sup>11</sup>
- Thwart potential attacks and take immediate action with instant notification of security issues.

## Designed with the environment in mind

- Conserve resources with an HP PageWide—designed to use less energy than any laser MFP in its class.<sup>1</sup>
- Certified for ISO class 5 cleanrooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.<sup>12</sup>



<sup>1</sup> Energy claim based on all TEC data reported on energystar.gov as of November 2016. Data normalized to determine energy efficiency of in-class A3 color laser printers with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary. <sup>3</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 990 series High Yield Original PageWide Cartridges compared with HP 990 series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). <sup>4</sup> Comparison based on printing in Professional Mode. <sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio); market share as reported by IDC as of Q3 2016. Learn more at <http://www.hp.com/go/pagewidedeclaims>. <sup>6</sup> Comparison based on manufacturers' published specifications of fastest available color mode of all A3 color business printers \$1,000–2,500 USD or €900–€2,300 Euros and MFPs \$2,000–\$5,000 USD or €2,000–€4,500 Euros as of August 2016, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q2 2016. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://www.hp.com/go/printerspeeds>. <sup>7</sup> Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. <sup>11</sup> Requires separate purchase. For details, see <http://www.hp.com/go/securitymanager>. <sup>12</sup> Program availability varies. For more information, visit <http://www.hp.com/recycle>.

# HP PageWide Managed P77740dn Multifunction Printer Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax / Yes	<b>Media Weight Supported<sup>10</sup></b>	Tray 1: 16 to 32 lb (plain paper); 33 to 80 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); Tray 2: 16 to 32 lb (plain paper); 33 to 66 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); Tray 3: 16 to 32 lb (plain paper); 33 to 66 lb (photo); 32 to 48 lb (brochure); 90 to 110 lb (card)
<b>Print Speed<sup>5,6</sup></b>	<b>Black (ISO):</b> Up to 40 ppm; <b>Color (ISO):</b> Up to 40 ppm; <b>First Page Out Black:</b> As fast as 8 sec; <b>First Page Out Color:</b> As fast as 8 sec; <b>Black (GO):</b> Up to 60 ppm; <b>Color (GO):</b> Up to 60 ppm	<b>Media Sizes Supported</b>	12 x 18; 11 x 17; RA3; A3; 8K; 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Legal; Oficio 216 x 340 mm; Oficio 8.5 x 13; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; Letter - R; 16K; 197 x 273 mm - R, 195 x 270 mm - R; executive - R; A5 - R; 16K: 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Japanese Envelope Chou #3; Japanese Envelope - Flap Open; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; 5 x 8 Index card; Double Japan Postcard Rotated; 4 x 6 Index card; Double Japan Postcard Rotated - R; A6 Index card; Japanese Postcard; Custom-sized media; Photo Media; 5 x 7 Photo Media; 4x6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)	<b>Media Sizes Custom</b>	Tray 1 supports (3.9 to 12 in) x (5.83 to 18 in), Tandem Trays support (8.27 to 11.70 in) x (5.83 to 8.50 in), Universal Trays support (8.27 to 11.70 in) x (5.83 to 17.00 in)
<b>Print Technology</b>	HP PageWide Technology with pigmented inks	<b>Paper Handling</b>	2 x 550-sheet Tandem Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> 100 sheets; <b>Envelope Feeder:</b> No (but will feed envelopes through MP Tray); <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 1100 sheets Tandem Tray; Up to 100 sheets - MP Tray stand; Up to 10; None transparencies; Up to 1600 + 200 + 200 + 40 for A5 size and larger; Up to 40 for smaller than A5 size; Up to 1600 + 200 + 200 + 40 sheets labels; None - Tandem Tray; Up to 100 sheets - MP Tray legal; <b>Output Capacities:</b> Up to 200 sheets standard; Up to 50 envelopes; None transparencies; Up to 200 cards; Up to 500 sheets labels; Up to 500 sheets legal
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>What's in the box</b>	<b>Y3257A</b> HP PageWide Managed P77740dn Multifunction Printer; HP Setup Contract AC Black Contract Original PageWide Cartridge (~10,000 pages); HP 990 Setup Contract Cyan PageWide Cartridge; HP 990 Setup Contract Yellow PageWide Cartridge; HP 990 Setup Contract Magenta PageWide Cartridge (~8,000 pages); power cord; installation guide
<b>Borderless Printing</b>	No	<b>Replacement Cartridges</b>	M0J86AE HP 990A Black Original PageWide Cartridge (~10,000 pages); M0J74AE HP 990A Cyan Original PageWide Cartridge (~8,000 pages); M0J78AE HP 990A Magenta Original PageWide Cartridge (~8,000 pages); M0J82AE HP 990A Yellow Original PageWide Cartridge (~8,000 pages); M0K02AE HP 990X High Yield Black Original PageWide Cartridge (~20,000 pages); M0J90AE HP 990X High Yield Cyan Original PageWide Cartridge (~16,000 pages); M0J94AE HP 990X High Yield Magenta Original PageWide Cartridge (~16,000 pages); M0J98AE HP 990X High Yield Yellow Original PageWide Cartridge (~16,000 pages); X4D19AC HP 990AC Black Contract Original PageWide Cartridge (~20,000 pages); X4D10AC HP 990AC Cyan Contract Original PageWide Cartridge (~16,000 pages); X4D13AC HP 990AC Magenta Contract Original PageWide Cartridge (~16,000 pages); X4D16AC HP 990AC Yellow Contract Original PageWide Cartridge (~16,000 pages)
<b>Standard Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, native Office, PJI, JPEG, PCLM	<b>Product Dimensions</b>	<b>W x D x H:</b> 23.5 x 20.9 x 22.5 in; <b>Maximum:</b> 60 x 37.7 x 34.3 in
<b>Printer Smart Software Features</b>	HP Mobile Apps, Google Cloud Print v2, HP EasyColor, print review, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, crop pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation/Maximum dpi print modes, front USB port, copy/scan/fax; Control Panel Shortcuts; HP UPD PIN printing; HP Color Access Control; Optional: HP and third party extensibility solutions.	<b>Product Weight<sup>1</sup></b>	131.17 lb
<b>Scan Type / Technology</b>	Flatbed, ADF/ Contact Image Sensor (CIS)	<b>Warranty Features</b>	Warranty Features 90 day parts only warranty, except printhead assy, which has a three year extended coverage
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 dpi	<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified; EPEAT® Silver; Blue Angel, China CCC and CECP
<b>Scan File Format</b>	Scan File Type supported by Software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIF (.tif)	<b>Control Panel</b>	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn&dw series
<b>Scan Input Modes</b>	Front panel applications: Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to Sharepoint, Scan to Computer with SW. Client applications: EWS, HP Scan App, Compatible with HP Capture and Route	<b>Display Description</b>	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn&dw series
<b>Scan Size Maximum</b>	<b>ADF:</b> 11.7 x 17 in; <b>Flatbed:</b> 11.7 x 17 in	<b>Software Included</b>	Windows Installer for discrete PCL 6 driver with Printer Assistant tools and Scan/Fax software; Mac Installer for PS driver with HP Utility and Scan/Fax software; HP Participation Study; OCR software is included with the printer, OCR is completed at the PC, see software section for more details.
<b>Scan Speed</b>	Up to 50 ipm (mono and color, long edge feeding)	<b>Compatible Operating Systems</b>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP PageWide Managed P77740dn Multifunction Printer for all operating Systems
<b>Scanner Advanced Features</b>	Image adjustments; Output quality setting; Selectable scan resolution 75 to 1200 dpi; Job notification; Scan and save to destinations: network folder, Computer, Sharepoint, USB flash drive, e-mail; OCR software is included with the printer, OCR is completed at the PC, see software section for more details.	<b>Compatible Network Operating Systems</b>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP PageWide Managed P77740dn Multifunction Printer for all operating Systems
<b>Bit Depth / Grayscale levels</b>	24-bit (color); 8-bit (gray)/ 256	<b>Minimum System Requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>MAC:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite; minimum 1.2 GB available HD space; Internet required; USB port
<b>Digital Sending Standard Features</b>	Scan-to-E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to Sharepoint; Scan-to Computer with SW; Fax Archive-to Network Folder; Fax Archive to E-mail; Fax-to Computer; Enable/Disable Fax; Enable/Disable color Fax, Color Access Control; Native authorization and authentication; Quick Sets	<b>Power<sup>2</sup></b>	<b>Power Supply Type:</b> Internal (Built-in) Universal Power Supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); <b>Power Consumption:</b> 70 watts (printing), 20.95 watts (ready), 2.00 watts (sleep), 0.17 watts (off)
<b>Copy Speed<sup>3</sup></b>	<b>Black (ISO):</b> Up to 40 cpm; <b>Color (ISO):</b> Up to 40 cpm; <b>Black (GO):</b> Up to 60 cpm; <b>Color (GO):</b> Up to 60 cpm	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Non-Operating Humidity Range:</b> 5 to 90% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 dpi; Up to 600 dpi; <b>Color (text and graphics):</b> Up to 600 dpi	<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray (P1V16A); HP PageWide Managed 550-sheet Paper Tray and Cabinet (P1V17A); HP PageWide Managed 3x550 sheet Paper Tray and Stand (P1V18A); HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand (P1V19A); HP HW Integration Pocket Control Panel 4.3" (W1B54A); HP 128GB Memory Module (W1B49A)
<b>Maximum Number Of Copies</b>	Up to 999 copies	<b>HP Service and Support Options</b>	U9LM7E - HP 3 year Next Business Day HW Support w/Defective Media Retention for PageWide 77x MFP Managed; U9LN0E - HP 3 year 4 hour 9x5 Hardware Support w/Defective Media Retention for PageWide 77x MFP Managed; U9LN7PE - HP 1 year Post Warranty NBD HW Support w/Defective Media Retention for PageWide 77x MFP Managed; U9LN9PE - HP 1 year Post Wty 4 hour 9x5 HW Support w/Defective Media Retention for PageWide 77x MFP Managed
<b>Copier Resize</b>	25 to 400%		
<b>Copier Settings</b>	ID Copy; Resize; Quality; Lighter/Darker; Two-sided copying; Tray Selection; Collate; Binding Marging; Copy Preview with Crop and resize; Enhancements; Enable/Disable copy; Enable/Disable copy color; Auto Color Selection; Color Access Control; Native Authorization & authentication; Set as New Defaults		
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 5 Sec per page		
<b>Fax Resolution</b>	<b>Black (best):</b> 300 x 300 dpi; <b>Color (best):</b> 200 x 200 dpi; <b>Black (standard):</b> 203 x 98 dpi; <b>Color (standard):</b> 200 x 200 dpi		
<b>Fax Smart Software Features</b>	Digital Fax - Fax to Computer is available with Windows and Macintosh, visit <a href="http://www.hp.com/support">http://www.hp.com/support</a> to download the latest software.		
<b>Fax Features<sup>4</sup></b>	<b>Fax Memory:</b> Up to 500 pages (black and white); <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> Yes; <b>Distinctive Ring Detection Supported:</b> Yes; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> Yes; <b>Fax Polling Supported:</b> No; <b>Fax Telephone Mode Supported:</b> Yes; <b>Junk Barrier Supported:</b> Yes, requires Caller ID; <b>Maximum Speed Dialing Numbers:</b> No Limit; <b>PC Interface Supported:</b> Yes, HP Software support provided; <b>Telephone Handset Supported:</b> Yes		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 2 RJ-11 modem port/phone line		
<b>Network Capabilities</b>	Yes, via built-in Ethernet		
<b>Wireless Capability</b>	No		
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps		
<b>Memory</b>	<b>Standard:</b> 1.5 GB; <b>Maximum:</b> 1.5 GB		
<b>Processor Speed</b>	1.5 GHz / <b>Hard disk:</b> None (printer uses eMMC solid state drive (SSD)). Standard eMMC memory = 16GB, upgradeable to 128GB		
<b>Duty Cycle<sup>7</sup></b>	<b>Monthly, letter:</b> Up to 150,000 pages		
<b>Recommended Monthly Page Volume<sup>8</sup></b>	2500 to 30,000 pages		
<b>Media Types Supported</b>	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough		

<sup>1</sup> With ink installed, no media in trays <sup>2</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption in Sleep modes depends on customer network switch capability, user configuration and network activity. <sup>3</sup> Speed specifications have been updated to reflect current industry testing methods. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims) <sup>6</sup> No heating or fusing warm up time required <sup>7</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPS to satisfy the demands of connected individuals or groups. <sup>8</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>9</sup> HP SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit [hp.com/learn/suresupply](http://hp.com/learn/suresupply). Only available with original HP supplies; Internet access required. <sup>10</sup> All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used

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# HP A3 PageWide **Color** MFP P77740dn 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Fax, Scan (Network Folder, E-Mail and USB), 100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 550 Sheet Trays.

Part #	Description	List Price
Y3Z57A	P77740dn	\$8,180.87
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87



**With 5 Trays & Exit Tray**





# HP PageWide Managed P77740dw Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



**Professional mode speed:** Up to 40 ppm black; Up to 40 ppm color  
**Scan resolution:** Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi  
**Copy resolution:** Black (text and graphics): Up to 600 dpi; Up to 600 dpi; Color (text and graphics): Up to 600 dpi  
**Standard connectivity:** 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 2 RJ-11 modem port/phone line; 802.11 b/g/n - dual band Station; NFC; Bluetooth Smart; WiFi Direct  
**Paper handling:** 2 x 550-sheet Tandem Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin  
**Duty cycle (monthly):** Up to 150,000 pages

## Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low color cost per page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>3</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>4</sup>
- Help keep costs down—this HP PageWide MFP uses less energy than any laser competitor in its class.<sup>1</sup>

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide MFP designed for the least maintenance in its class.<sup>5</sup>
- Wait less, do more with best-in-class speeds—as fast as 60 ppm in color and black-and-white.<sup>6</sup>
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.<sup>7</sup>
- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

## Strong security designed to detect and stop attacks

- A suite of embedded security features helps protect your printer from being an entry point for attacks.
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job.
- Easily set configuration policies and automatically validate settings for every HP printer in your fleet.<sup>11</sup>
- Thwart potential attacks and take immediate action with instant notification of security issues.

## Designed with the environment in mind

- Conserve resources with an HP PageWide—designed to use less energy than any laser MFP in its class.<sup>1</sup>
- Certified for ISO class 5 cleanrooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.<sup>12</sup>



Mac



<sup>1</sup> Energy claim based on all TEC data reported on energystar.gov as of November 2016. Data normalized to determine energy efficiency of in-class A3 color laser printers with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary. <sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 990 series High Yield Original PageWide Cartridges compared with HP 990 series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). <sup>3</sup> Comparison based on printing in Professional Mode. <sup>4</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio); market share as reported by IDC as of Q3 2016. Learn more at <http://www.hp.com/go/pagewideclaims>. <sup>5</sup> Comparison based on manufacturers' published specifications of fastest available color mode of all A3 color business printers \$1,000-2,500 USD or €900-€2,300 Euros and MFPs \$2,000-\$5,000 USD or €2,000-€4,500 Euros as of August 2016, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q2 2016. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://www.hp.com/go/printerspeeds>. <sup>6</sup> Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. <sup>7</sup> Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz routers only. <sup>8</sup> Requires a compatible NFC-printing-enabled mobile device. For a list of compatible NFC-printing-enabled mobile devices, see <http://www.hp.com/go/nfcprinting>. <sup>9</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>10</sup> Requires separate purchase. For details, see <http://www.hp.com/go/securitymanager>. <sup>11</sup> Program availability varies. For more information, visit <http://www.hp.com/recycle>.

# HP PageWide Managed P77740dw Multifunction Printer Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 40 ppm black; Up to 40 ppm color <sup>5</sup> <b>First Page Out:</b> As fast as 8 sec black; As fast as 8 sec color <sup>6</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte). <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
<b>Print Technology</b>	HP PageWide Technology with pigmented inks
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, native Office, P/L, JPEG, PCLM
<b>Printer Smart Software Features</b>	HP Mobile Apps, Google Cloud Print v2, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Maximum dpi print modes, front USB port, copy/scan/fax; Control Panel Shortcuts; HP UPD PIN printing; HP Color Access Control; Optional: HP and third party extensibility solutions.
<b>Printer Management</b>	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac), HP JetAdvantage Security Manager optional
<b>Scan Type / Technology</b>	Flatbed, ADF / Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 dpi
<b>Scan File Format</b>	Scan File Types supported by included software: Bitmap (bmp), JPEG (jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)
<b>Scan Input Modes</b>	Front panel applications; Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to Sharepoint, Scan to Computer with SW. Client applications: EWS, HP Scan App, Compatible with HP Capture and Route
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 17 in Maximum; 4 x 6 in Minimum; <b>Flatbed:</b> 11.7 x 17 in
<b>Scan Speed</b>	Up to 50 ipm (mono and color), LEFDuplex: Up to 35 ipm (mono and color), LEF
<b>Scanner Advanced Features</b>	Image adjustments; Output quality setting; Selectable scan resolution 75 to 1200 dpi; Job notification; Scan and save to destinations: network folder, Computer, Sharepoint, USB flash drive, e-mail; OCR software is included with the printer, OCR is completed at the PC, see software section for more details.
<b>Bit depth / Grayscale levels</b>	24-bit (color); 8-bit (gray) / 256
<b>Digital Sending Standard Features</b>	Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to Sharepoint; Scan to Computer with SW; Fax Archive-to Network Folder; Fax Archive to E-mail; Fax-to Computer; Enable/Disable Fax; Enable/Disable color Fax; Color Access Control; Native authorization and authentication; Quick Sets
<b>Copy Speed<sup>3</sup></b>	<b>Black (ISO):</b> Up to 40 cpm; <b>Color (ISO):</b> Up to 40 cpm; <b>Black (GO):</b> Up to 60 cpm; <b>Color (GO):</b> Up to 60 cpm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 dpi; Up to 600 dpi; <b>Color (text and graphics):</b> Up to 600 dpi
<b>Maximum Number Of Copies</b>	Up to 999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	ID Copy; Resize; Quality; Lighter/Darker; Two-sided copying; Tray Selection; Collate; Binding Marging;; Copy Preview with Crop and resize; Enhancements; Enable/Disable copy; Enable/Disable color copy; Auto Color Selection; Color Access Control; Native Authorization & authentication; Set as New Defaults
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 5 Sec per page
<b>Fax Resolution</b>	<b>Black (best):</b> 300 x 300 dpi; <b>Color (best):</b> 200 x 200 dpi; <b>Black (standard):</b> 203 x 98 dpi; <b>Color (standard):</b> 200 x 200 dpi
<b>Fax Smart Software Features</b>	Digital Fax - Fax to Computer is available with Windows and Macintosh, visit <a href="http://www.hp.com/support">http://www.hp.com/support</a> to download the latest software.
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages (black and white); <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> Yes; <b>Distinctive Ring Detection Supported:</b> Yes; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> Yes; <b>Fax Polling Supported:</b> No; <b>Fax Telephone Mode Supported:</b> Yes; <b>Junk Barrier Supported:</b> Yes, requires Caller ID; <b>Maximum Speed Dialing Numbers:</b> No Limit; <b>PC Interface Supported:</b> Yes, HP Software support provided; <b>Telephone Handset Supported:</b> Yes
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100/1000 Base-T network; 2 RJ-11 modem port/phone line; 802.11 b/g/n - dual band Station; NFC; Bluetooth Smart; WiFi Direct;
<b>Network Capabilities</b>	Yes, via built-in Ethernet, wireless 802.11 b/g/n - dual band
<b>Wireless Capability</b>	Yes, built-in WiFi 802.11 b/g/n - dual band
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps
<b>Memory</b>	<b>Standard:</b> 1.5 GB; <b>Maximum:</b> 1.5 GB
<b>Processor Speed</b>	1.5 GHz / <b>Hard disk:</b> None (printer uses eMMC solid state drive (SSD)). Standard eMMC memory = 16GB, upgradeable to 128GB
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 150,000 pages <sup>7</sup>
<b>Recommended Monthly Page Volume</b>	2500 to 30,000 pages <sup>8</sup>
<b>Media Types Supported</b>	Plain paper, HP EcoFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope 96-110g, Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough

<b>Media Weight Supported</b>	Tray 1: 16 to 32 lb (plain paper); 33 to 80 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); Tray 2: 16 to 32 lb (plain paper); 33 to 66 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); Tray 3: 16 to 32 lb (plain paper); 33 to 66 lb (photo); 32 to 48 lb (brochure); 90 to 110 lb (card)
<b>Media Sizes Supported</b>	12 x 18; 11 x 17; RA3; A3; 8K; 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Legal; Oficio 216 x 340 mm; Oficio 8.5 x 13; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; Letter - R; 16K; 197 x 273 mm - R; 195 x 270 mm - R; executive - R; A5 - R; 16K; 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K; 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Japanese Envelope Chou #3; Japanese Envelope - Flap Open; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; 5 x 8 Index card; Double Japan Postcard Rotated; 4 x 6 Index card; Double Japan Postcard Rotated - R; A6 Index card; Japanese Postcard; Custom-sized media; Photo Media; 5 x 7 Photo Media; 4x6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards
<b>Media Sizes Custom</b>	Tray 1 supports (3.9 to 12 in) x (5.83 to 18 in), Tandem Trays support (8.27 to 11.70 in) x (5.83 to 8.50 in), Universal Trays support (8.27 to 11.70 in) x (5.83 to 17.00 in)
<b>Paper Handling</b>	550-sheet Tandem Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> 100 sheets; <b>Envelope Feeder:</b> No (but will feed envelopes through HP Tray); <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 110 sheets Tandem Tray; Up to 100 sheets - MP Tray; <b>Output Capacities:</b> Up to 500 sheets; Up to 500 envelopes; None
<b>What's in the box</b>	<b>W1B33A</b> HP PageWide Managed P77740dw Multifunction Printer; HP Setup Contract AC Black Contract Original PageWide Cartridge (~10,000 pages); HP 990 Setup Contract Cyan PageWide Cartridge; HP 990 Setup Contract Yellow PageWide Cartridge; HP 990 Setup Contract Magenta PageWide Cartridge (~8,000 pages); power cord; installation guide
<b>Replacement Cartridges</b>	MOJ73AN HP 990A Cyan Original PageWide Cartridge (~8,000 pages); MOJ77AN HP 990A Magenta Original PageWide Cartridge (~8,000 pages); MOJ81AN HP 990A Yellow Original PageWide Cartridge (~8,000 pages); MOJ85AN HP 990A Black Original PageWide Cartridge (~10,000 pages); MOJ89AN HP 990X Cyan Original PageWide Cartridge (~16,000 pages); MOJ93AN HP 990X Magenta Original PageWide Cartridge (~16,000 pages); MOJ97AN HP 990X Yellow Original PageWide Cartridge (~16,000 pages); MOKO1AN HP 990X Black Original PageWide Cartridge (~20,000 pages)
<b>Product Dimensions</b>	<b>W x D x H:</b> 23.5 x 20.9 x 22.5 in; <b>Maximum:</b> 60 x 37 x 34.3 in
<b>Product Weight</b>	153.22 lb <sup>1</sup>
<b>Warranty Features</b>	Warranty features 90 day parts only warranty, except printhead assy, which has three year extended coverage
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Silver; China CCC; CECP
<b>Control Panel</b>	4.3" CGD (Color Graphic Display); IR touchscreen for P77740dn&dw series
<b>Display Description</b>	4.3" CGD (Color Graphic Display); IR touchscreen for P77740dn&dw series
<b>Software Included</b>	Windows Installer for discrete PCL 6 driver with Printer Assistant tools and Scan/Fax software; Mac Installer for PS driver with HP Utility and Scan/Fax software; HP Participation Study; OCR software is included with the printer, OCR is completed at the PC, see software section for more details.
<b>Compatible Operating Systems</b>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP PageWide Managed P77740dw Multifunction Printer for all operating Systems
<b>Compatible Network Operating Systems</b>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP PageWide Managed P77740dw Multifunction Printer for all operating Systems
<b>Minimum System Requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7; 1 GHz 32-bit or 64-bit processor; 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer, Windows Vista®; 800 MHz processor (32-bit only); 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8, Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor; 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>MAC:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite; minimum 1.2 GB available HD space; Internet required; USB port
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) Universal Power Supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); <b>Power Consumption:</b> 664 (Maximum), 70 watts (printing), 20.95 watts (ready), 2.00 watts (sleep), 0.17 watts (off) <sup>2</sup>
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 59 to 86°F; <b>Non-Operating Humidity Range:</b> 5 to 90% RH; <b>Operating Humidity Range:</b> 20 to 80% RH; <b>Recommended Humidity Operating Range:</b> 20 to 80% RH
<b>Security Management</b>	SSL/TLS (HTTPS), LDAP authentication; optional HP and 3rd party authentication solutions (e.g. badge readers) IPP over TLS; WPA2-Enterprise wired; 802.1x wireless authentication (EAP-TLS, LEAP, and PEAP); Pre-Shared Key Authentication for Wireless (PSK); firewall, certificates configuration; Control panel lock; Password protect EWS; Unused protocol and service disablement; Syslog; Signed firmware; Administrator settings; native authentication and authorization access control, native color access control; configurable authentication time out; UPD PIN printing; Mopy mode via UPD PIN printing; compatible with optional HP JetAdvantage Security Manager
<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray (P1V16A); HP PageWide Managed 550-sheet Paper Tray and Cabinet (P1V17A); HP PageWide Managed 3x550 sheet Paper Tray and Stand (P1V18A); HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand (P1V19A); HP HW Integration Pocket Control Panel 4.3"(W1B54A); HP 128GB Memory Module (W1B49A)
<b>HP Service and Support Options</b>	U9LM7E - HP 3 year Next Business Day HW Support w/Defective Media Retention for PageWide 77x MFP Managed; U9LN0E - HP 3 year 4 hour 9x5 Hardware Support w/Defective Media Retention for PageWide 77x MFP Managed; U9LN7E - HP 1 year Post Warranty NBD HW Support w/Defective Media Retention for PageWide 77x MFP Managed; U9LN9E - HP 1 year Post Wty 4 hour 9x5 HW Support w/Defective Media Retention for PageWide 77x MFP Managed

Learn more at [hp.com](http://hp.com)

<sup>1</sup> With ink installed, no media in trays <sup>2</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption in Sleep modes depends on customer network switch capability, user configuration and network activity. <sup>3</sup> Speed specifications have been updated to reflect current industry testing methods. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims) <sup>6</sup> No heating or fusing warm up time required <sup>7</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>8</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>9</sup> HP SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit [hp.com/learn/suresupply](http://hp.com/learn/suresupply). Only available with original HP supplies; Internet access required. <sup>10</sup> All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used <sup>11</sup> Normalized TEC (watt hours per page): 0.155 Wh/Page





# HP A3 PageWide **Color** MFP P77740dw 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Fax, Scan (Network Folder, E-Mail and USB), 100 Sheet Document Feeder, Duplex, Exit Tray, 2 Adjustable 550 Sheet Trays & Wireless.

Part #	Description	List Price
W1B33A	P77740dw Wireless Capable	\$8,180.87
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87



**With 5 Trays & Exit Tray**





# HP PageWide Managed Color MFP P77440dn Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



## Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low color cost per page.
- Print even faster—and save even more per page—by setting this MFP to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient MFP in its class.<sup>2</sup>

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.<sup>4</sup>
- Print speeds up to 50% faster than competitors—as fast as 60 ppm in color and black-and-white.<sup>5</sup>
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.<sup>6</sup>
- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

## Strong security designed to detect and stop attacks

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network.<sup>7</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Designed with the environment in mind

- Conserve resources with HP PageWide—designed to use less energy than any laser MFP in its class.<sup>2</sup>
- This MFP meets rigorous standards for ISO class 5 cleanrooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.<sup>8</sup>
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.



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<sup>1</sup> Based on HP review of 2017 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: <http://hp.com/go/printersecurityclaims>. <sup>2</sup> Energy claim based on TEC data reported on <http://energystar.gov> as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary. <sup>3</sup> Comparison based on printing in Professional mode. <sup>4</sup> Fewer service parts claim based on HP analysis of leading in-class A3 color laser printers and MFPs as of February 2018; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at <http://hp.com/go/pagewideclaims>. <sup>5</sup> Comparison of HP PageWide A3 devices with leading in-class color ink/laser MFPs (\$3,000-\$11,299 and €2,820-€11,199), and color ink/laser single function printers (\$1,500-\$4,799 and €1,410-€4,599) as of February 2018; market share as reported by IDC as of Q3 2017, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://hp.com/go/printerspeeds>. <sup>6</sup> Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. <sup>7</sup> Requires separate purchase. For details, see <http://hp.com/go/securitymanager>. <sup>8</sup> Program availability varies. For more information, visit <http://hp.com/recycle>.

# HP PageWide Managed Color MFP P77440dn Printer Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax; / Yes	<b>Paper Handling</b>	550-sheet Tandem Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard) Manual (driver support provided); <b>Auto Document Feeder Capacity:</b> 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 3; <b>Input Capacities:</b> Up to 1100 sheets Tandem Tray; Up to 100 sheets - MP Tray; <b>Output Capacities:</b> Up to 500 sheets; Up to 50 envelopes; None
<b>Print Speed</b>	<b>Letter:</b> As fast as 40 ppm black; As fast as 40 ppm color <sup>5</sup> <b>First Page Out:</b> As fast as 8 sec black; As fast as 8.3 sec color <sup>6</sup>	<b>What's in the box</b>	<b>Y3Z60A</b> HP PW Managed Color MFP P77440dn; HP Setup Ink Cartridges (yield after setup - 16000 pages CMY and ~20000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)	<b>Replacement Cartridges</b>	HP 992XC Black Contract PageWide Cartridge (~22,000 pages) MOK30XC; HP 992XC Cyan Contract PageWide Cartridge (~16,000 pages) MOK07XC; HP 992XC Magenta Contract PageWide Cartridge (~16,000 pages) MOK11XC; HP 992XC Yellow Contract PageWide Cartridge (~16,000 pages) MOK26XC
<b>Print Technology</b>	HP PageWide Technology with pigmented inks	<b>Product Dimensions</b>	<b>W x D x H:</b> 23.8 x 23.8 x 26.2 in; <b>Maximum:</b> 50.0 x 40.4 x 37.3 in
<b>Print Resolution Technologies</b>	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi	<b>Product Weight</b>	146.9 lb <sup>1</sup>
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>Warranty Features</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Standard Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PIL, JPEG, PCLM	<b>Energy Efficiency Compliance</b>	ENERGY STAR <sup>®</sup> qualified; EPEAT <sup>®</sup> Gold
<b>Printer Smart Software Features</b>	HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; HP ePrint, Apple AirPrint™, HP Auto-On/Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: wireless	<b>Control Panel</b>	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn series
<b>Printer Management</b>	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver	<b>Display Description</b>	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn series;
<b>Scan Type / Technology</b>	Flatbed, ADF / Contact Image Sensor (CIS)	<b>Software Included</b>	HP Device Experience (DXP), HP PCL 6 Print Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 ppi	<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Font (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Scan File Format</b>	Scan File Types supported by included software: Bitmap (bmp), JPEG (jpg), PDF (pdf), PNG (png), Rich Text (rtf), Searchable PDF (pdf), Text (txt), TIFF (tif)	<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10, 15.04, 16.04), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Scan Input Modes</b>	Front panel applications: Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to SharePoint. Client applications: EWS, Scan App	<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell Print Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 34 in Maximum; 4 x 6 in Minimum; <b>Flatbed:</b> 11.7 x 17 in	<b>Minimum System Requirements</b>	<b>PC:</b> Windows <sup>®</sup> 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor; 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft <sup>®</sup> Internet Explorer, Windows Vista <sup>®</sup> : 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft <sup>®</sup> Internet Explorer 8, Windows <sup>®</sup> XP SP3 or higher (32-bit only), any Intel <sup>®</sup> Pentium <sup>®</sup> II, Celeron <sup>®</sup> or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft <sup>®</sup> Internet Explorer 8; <b>MAC:</b> Apple <sup>®</sup> OS X v10.11.2 Sierra, OS X v10.11.1 El Capitan, OS X v10.10 Yosemite; minimum 1.2 GB available HD space; Internet required; USB port
<b>Scan Speed</b>	Up to 50 ipm (mono and color), LEF* <b>Duplex:</b> Up to 35 ipm (mono and color), LEF*	<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power Consumption:</b> 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off) <sup>2</sup>
<b>Scanner Advanced Features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; Scan and save to destinations: network folder, FTP, USB flash drive, e-mail; see software section for more details.	<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.6 B(A) (Printing color simplex A4 at 41 ppm)
<b>Bit depth / Grayscale levels</b>	24-bit / 256	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 63 to 77°F; <b>Storage Temperature Range:</b> Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to 140°F. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer); <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Digital Sending Standard Features</b>	Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to SharePoint; Scan to FTP; Send to LAN Fax; Send to Internet Fax; Color Access Control; Native authorization and authentication; Quick Sets; two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); N-up, N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; edge-to-edge; job storage	<b>Security Management</b>	Kerberos authentication, LDAP authentication, 2000 user PIN codes, Network IPSec/Firewall with Certificate, Pre-Shared Key, and Kerberos authentication, Supports WIA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, HP Security Management; Compatible with HP JetAdvantage Security Manager; Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>
<b>Copy Speed</b>	3	<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray P1V16A, HP PageWide Managed 550-sheet Paper Tray and Cabinet P1V17A, HP PageWide Managed 3x550 sheet Paper Tray and Stand P1V18A, HP PageWide Managed 4000 sheet high-capacity Paper Tray and Stand P1V19A, HP 128GB Memory Module W1B49A, HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM ESK48A, HP Jetdirect 2900on Printer Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP LaserJet MFP Analog Fax Accessory 500 CL487A, HP Accessibility Assistant 2MU47A
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi	<b>HP Service and Support Options</b>	UV9UX9E - HP 3 year Next Business Day Onsite; UV9V0E - HP 4 year Next Business Day Onsite; UV9V1E - HP 5 year Next Business Day Onsite
<b>Maximum Number Of Copies</b>	Up to 9999 copies	<b>Learn more at hp.com</b>	
<b>Copier Resize</b>	25 to 400%		
<b>Copier Settings</b>	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage		
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 5 Sec per page		
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Color (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi; <b>Color (standard):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)		
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule		
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages (black and white); <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> Yes; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAP Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b> Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; HP software support provided; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network		
<b>Network Capabilities</b>	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-TX, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)		
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory		
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps		
<b>Memory</b>	<b>Standard:</b> 2816 MB - System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; <b>Maximum:</b> 3584 MB - System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB		
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> None (printer uses eMMC solid state drive (SSD)). Standard eMMC memory = 16GB, upgradeable to XXGB		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 150,000 pages <sup>7</sup>		
<b>Recommended Monthly Page Volume</b>	2500 to 30,000		
<b>Media Types Supported</b>	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough		
<b>Media Weight Supported</b>	Tray 1: 16-58 lb, 80 lb Photo Paper Only; Trays 2-5: 16-58 lb; HCl Trays 3 & 4: 16-58 lb		
<b>Media Sizes Supported</b>	12 x 18; 11 x 17; RA3; A3; 8K: 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (16K); Legal; Oficio 216 x 340 mm; Oficio 8.5 x 13; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; Letter - R; 16K; 197 x 273 mm - R; 195 x 270 mm - R; executive - R; A5 - R; 16K; 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Japanese Envelope Chou #3; Japanese Envelope - Flap Open; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; 5 x 8 Index card; Double Japan Postcard Rotated; 4 x 6 Index card; Double Japan Postcard Rotated - R; A6 Index card; Japanese Postcard; Custom-sized media; Photo Media; 5 x 7 Photo Media; 4x6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards		

<sup>1</sup> With ink installed, no media in trays <sup>2</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power Consumption and Energy Star TEC values typically based on measurement of 115V device. <sup>3</sup> Speed specifications have been updated to reflect current industry testing methods. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printrclaims](http://hp.com/go/printrclaims) <sup>6</sup> No heating or fusing warm up time required <sup>7</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>8</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>9</sup> HP SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit [hp.com/learn/suresupply](http://hp.com/learn/suresupply). Only available with original HP supplies; Internet access required. <sup>10</sup> All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used <sup>12</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.



# HP A3 PageWide **Color** MFP P77440dn 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Exit Tray and 2 Adjustable 550 Sheet Trays.

Part #	Description	List Price
Y3Z60A	P77440dn	\$10,421.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00



**With 5 Trays & Exit Tray**





# HP PageWide Managed Color MFP P77940dns

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



**Print Speed:**Letter: Up to 40 ppm black; Up to 40 ppm color; First Page Out: As fast as 7.80 sec black; As fast as 8.02 sec color

**Scan Resolution:**Hardware: Up to 600 ppi; Optical: Up to 600 ppi

**Standard Connectivity:**2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket

**Paper Handling:**550-sheet Universal Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin

**Duty Cycle:**Monthly, letter: Up to 150,000 pages

## Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low color cost per page.
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient MFP in its class.<sup>2</sup>

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.<sup>4</sup>
- Print speeds up to 50% faster than competitors—as fast as 60 ppm in color and black-and-white.<sup>6</sup>
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.<sup>6</sup>
- Organize, staple, and collate documents with in-line finishing that helps you save time and look professional.

## The world's most secure printing<sup>1</sup>

- A suite of embedded security features help protect your printer from being an entry point for attacks.
- Protect information on the MFP and in transit over the network.<sup>7</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

## Designed with the environment in mind

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- This MFP meets rigorous standards for ISO class 5 clean rooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.<sup>8</sup>
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.



<sup>1</sup> Based on HP review of 2017 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://hp.com/go/PrintersThatProtect>. For more information: <http://hp.com/go/printersecurityclaims>. <sup>2</sup> Energy claim based on TEC data reported on <http://energystar.gov> as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary. <sup>3</sup> Comparison based on printing in Professional mode. <sup>4</sup> Fewer service parts claim based on HP analysis of leading in-class A3 color laser printers and MFPs as of February 2018; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at <http://hp.com/go/pagewideclaims>. <sup>5</sup> Comparison of HP PageWide A3 devices with leading in-class color ink/laser MFPs (\$3,000-\$11,299 and €2,820-€11,199), and color ink/laser single function printers (\$1,500-\$4,799 and €1,410-€4,599) as of February 2018; market share as reported by IDC as of Q3 2017, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://hp.com/go/printerspeeds>. <sup>6</sup> Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. <sup>7</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://hp.com/go/printsecurity>. <sup>8</sup> Program availability varies. For more information, visit <http://hp.com/recycle>.

# HP PageWide Managed Color MFP P77940dns Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax (optional) / Yes	<b>Media Sizes Custom</b>	HC; LTR; A4
<b>Print Speed</b>	<b>A4:</b> Up to 40 ppm; <b>Letter:</b> Up to 40 ppm black; Up to 40 ppm; <b>Letter:</b> Up to 40 ppm color <sup>5</sup> <b>First Page Out:</b> As fast as 8 sec black; As fast as 8.3 sec color <sup>6</sup>	<b>Paper Handling</b>	550-sheet Universal Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin; <b>Duplex Options:</b> Automatic (standard); Manual (driver support provided); <b>Auto Document Feeder Capacity:</b> 0; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Input Capacities:</b> Up to 550 sheets Tandem Tray; Up to 100 sheets - MP Tray Standard; Up to 10; None Transparencies; Up to 1600 + 200 + 40 for A5 size and larger; Up to 40 for smaller than A5 size; up to 1600 + 200 + 40 sheets labels; 550 Universal Tray 100 - MP Tray legal; <b>Output Capacities:</b> Up to 500 sheets standard; Up to 50 envelopes; None transparencies; Up to 200 cards; up to 200 sheets labels; up to 500 sheets legal
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)	<b>What's in the box</b>	<b>Y3Z64A</b> HP PW Managed Color MFP P77940dns; HP Setup Ink Cartridges (yield after setup ~16000 pages CMY and ~20000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Print Technology</b>	HP PageWide Technology with pigmented inks	<b>Replacement Cartridges</b>	HP 990AC Black Contract PageWide Crtg (US/CA) (20,000) X4D18AC; HP 990AC Cyan Contract PageWide Crtg (US/CA) (20,000) X4D09AC; HP 990AC Magenta Contract PageWide Crtg (US/CA) (16,000) X4D12AC; HP 990AC Yellow Contract PageWide Crtg (US/CA) (16,000) X4D15AC
<b>Print Resolution Technologies</b>	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi	<b>Product Dimensions</b>	<b>W x D x H:</b> 23.8 x 25.7 in x 30.4 in; <b>Maximum:</b> 50.0 x 40.4 x 41.5 in
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)	<b>Product Weight</b>	181.5 lb <sup>1</sup>
<b>Standard Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJJ, JPEG, PCLM	<b>Warranty Features</b>	90 day parts only warranty
<b>Printer Smart Software Features</b>	HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; HP ePrint, Apple AirPrint™, HP Auto-On/Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: wireless	<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Gold
<b>Printer Management</b>	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver	<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
<b>Scan Type / Technology</b>	Flatbed, ADF / Contact Image Sensor (CIS)	<b>Display Description</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 ppi	<b>Software Included</b>	HP Device Experience (DXP), HP PCL 6 Print Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Scan File Format</b>	Scan File Types supported by included software: Bitmap (bmp), JPEG (jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)	<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and iPDFs Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Scan Input Modes</b>	Front panel applications: Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to Sharepoint. Client applications: EWS, HP Scan App.	<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (11.3, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS max OS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 34 in Maximum; 4 x 6 in Minimum; <b>Flatbed:</b> 11.7 x 17 in	<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 2, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/print">www.novell.com/print</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
<b>Scanner Advanced Features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; Scan and save to destinations: network folder, FTP Sharepoint, USB flash drive, e-mail; see software section for more details.	<b>Minimum System Requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer, Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB, Microsoft® Internet Explorer 8, Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® or Celeron® or 32-bit compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>MAC:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite; minimum 1.2 GB available HD space; Internet required; USB port
<b>Bit Depth / Grayscale levels</b>	24-bit / 256	<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power Consumption:</b> 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off) <sup>2</sup>
<b>Digital Sending Standard Features</b>	Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to Sharepoint, Scan to FTP; Send to LAN Fax; Send to Internet Fax; Color Access Control; Native authorization and authentication; Quick Sets; two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); N-up, N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; edge-to-edge; job storage	<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 7 B(A) (Print color simplex A4 at 41 ppm)
<b>Copy Speed</b>	<b>Color (A4):</b> <sup>3</sup>	<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 15 to 30°C; <b>Recommended Operating Temperature:</b> 17 to 25°C; <b>Storage Temperature Range:</b> Before initial setup (Non-Purged): -40 to 60°C; After initial setup (Purged): 0 to 60°C. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer). <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi	<b>Security Management</b>	Kerberos authentication, LDAP authentication, 2000 user PIN codes, Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, HP Security Management; Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to <a href="http://h1100032.www1.hp.com/ctg/Manual">http://h1100032.www1.hp.com/ctg/Manual</a>
<b>Maximum Number Of Copies</b>	Up to 9999 copies	<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray (P1V16A), HP PageWide Managed 550-sheet Paper Tray and Cabinet (P1V17A), HP PageWide Managed 3x550 sheet Paper Tray and Stand (P1V18A), HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand (P1V19A), HP 128GB Memory Module (W1B49A), HP Internal USB Ports (BSL28A), HP Foreign Interface Harness (BSL31A), HP 1 GB x2 144-pin (800 MHz) DDR3 SODIMM (ESK48A), HP JetDirect 2900nW Print Server (U8031A), HP JetDirect 3000w NFC/Wireless Accessory (U8030A), HP LaserJet MFP Analog Fax Accessory 500 (CC874A)
<b>Copier Resize</b>	25 to 400%	<b>HP Service and Support Options</b>	U9VX9E - HP 3 year Next Business Day Onsite; U9VY0E - HP 4 year Next Business Day Onsite; U9VY1E - HP 5 year Next Business Day Onsite
<b>Copier Settings</b>	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage	<b>Learn more at</b>	<a href="http://hp.com">hp.com</a>
<b>Fax Speed</b>	Up to 33.6 kbps		
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Color (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi; <b>Color (standard):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)		
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Scan to file; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule		
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 500 pages (black and white); <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAD Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; HP Software support provided; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No		
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket		
<b>Network Capabilities</b>	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)		
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory		
<b>Mobile Printing Capability</b>	HP ePrint, Apple AirPrint™, Google Cloud Print		
<b>Memory</b>	<b>Standard:</b> 2816 MB - System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; <b>Maximum:</b> 3584 MB - System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB		
<b>Processor Speed</b>	1.2GHz		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 150,000 pages <sup>7</sup>		
<b>Recommended Monthly Page Volume</b>	2500 to 30,000 <sup>8</sup>		
<b>Media Types Supported</b>	Plain paper, HP EcoFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough		
<b>Media Weight Supported</b>	Tray 1: 60-220 gsm, 300 gsm Photo Paper Only, Trays 2-5: 60-220 gsm; HCl trays 3 & 4: 60-220 gsm		
<b>Media Sizes Supported</b>	12 x 18; 11 x 17; RA3; A3; 8K: 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Legal; Oficio 216 x 340 mm; Oficio 8.5 x 13; C4; SR4; RA4 - R; Arch A-R; A4/3; A4 - R; Letter - R; 16K; 197 x 273 mm - R, 195 x 270 mm - R; executive - R; A5 - R; 16K: 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (US); B5 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Japanese Envelope Chou #3; Japanese Envelope - Flap Open; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; 5 x 8 Index card; Double Japan Postcard Rotated; 4 x 6 Index card; Double Japan Postcard Rotated - R; A6 Index card; Japanese Postcard; Custom-sized media; Photo Media; 5 x 7 Photo Media; 4 x 6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards		

<sup>1</sup> With ink installed, no media in trays <sup>2</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power Consumption and Energy Star TEC values typically based on measurement of 115V device. <sup>3</sup> Speed specifications have been updated to reflect current industry testing methods. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims) <sup>6</sup> No heating or fusing warm up time required <sup>7</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>8</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>9</sup> HP SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit [hp.com/learn/suresupply](http://hp.com/learn/suresupply). Only available with original HP supplies; Internet access required. <sup>10</sup> All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used <sup>12</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>13</sup> Normalized TEC (watt hours per page) BA: 0.388 Wh/page, ES: 0.383 Wh/page





# HP A3 PageWide **Color** MFP P77940dns 40PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
100 Sheet Document Feeder, Duplex, Staple Finisher and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
Y3Z64A	Managed Color MFP P77940dns	\$14,085.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00





Print, copy, scan, fax (optional)

# HP PageWide Managed Color MFP E77650dns



HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



#### Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per colour page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>



#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 70 ppm in colour and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>



#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

\* v The image shown above is with a 5 tray stand accessory and may vary based on the choice of accessory ordered by customer

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at [hp.com/go/learnabouthsupplies](http://hp.com/go/learnabouthsupplies)

<sup>3</sup> Comparison based on printing in Professional Mode.

<sup>4</sup> Energy claim based on TEC data reported on energystar.gov as of March 2017. Data normalized to determine energy efficiency of in-class A3 colour laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

<sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3000-\$7499), and colour ink/laser single function printers (\$1500-\$2999) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)

<sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com)

<sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed <sup>1</sup>	<b>Black:</b> Up to 70 ppm (General office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Colour:</b> Up to 70 ppm (General Office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Duplex printing:</b> Black/Colour (Professional mode): Up to 35 ppm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 7.1 seconds; <b>Colour (A4, ready):</b> As fast as 7.1 seconds
Resolution	<b>Black (best):</b> Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (On Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Colour (best):</b> Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP Postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer smart software features	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Scan</b>	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	<b>Single-sided (A4):</b> Up to 90 ipm (black and colour); <b>Two-sided (A4):</b> Up to 180 ipm (black and colour)
Bit depth	24-bit
Resolution	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 dpi; <b>Enhanced:</b> Up to 600 ppi
Max scanning size	<b>Flatbed:</b> 297 x 432 mm; <b>ADF:</b> 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Grayscale levels	256
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications
File format	Scan File Type supported by Software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
<b>Copy</b>	
Speed <sup>3</sup>	<b>Black:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4); <b>Colour:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4)
First copy out <sup>4</sup>	<b>Black (letter):</b> As fast as 9.0 seconds; <b>Colour (letter):</b> As fast as 9.0 seconds
Resolution	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi; <b>Colour (text and graphics):</b> Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
<b>Fax (Optional)</b>	
Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Colour (fine):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed <sup>4</sup>	Up to 33.6 kbps; 3 sec per page
Fax features	<b>Faxing:</b> Optional; <b>Faxing options (ADF):</b> Simultaneous Two-Sided; <b>Auto-Redialling:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Fax polling supported:</b> Yes (poll to receive only); <b>Auto fax reduction supported:</b> Yes; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; <b>PC interface supported:</b> Yes; <b>Fax broadcasting, max locations:</b> 210; <b>Telephone handset supported:</b> No
<b>Display</b>	
Duty cycle (monthly, A4) <sup>5</sup>	Up to 200,000 pages
Recommended monthly page volume <sup>6</sup>	2,500 to 50,000 pages
<b>Media</b>	
Custom sizes	<b>Tray 1:</b> 99.1 x 127 to 304.8 x 457.2 mm; <b>Tray 2-5:</b> 210.1 x 148.1 to 297.2 x 431.8 mm; <b>HP Trays 3 &amp; 4:</b> A4 & Letter Only
Recommended Weights	60 to 220 g/m <sup>2</sup> ; 300 g/m <sup>2</sup> Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	<b>Input (standard):</b> 100-sheet multipurpose tray, 550-sheet input tray; <b>Input (optional):</b> 1x550/tray (A3/A4), 1x550/stand (A3/A4), 3x550/stand (A3/A4), HCl (2x2000 sheet A4); <b>Output (standard):</b> 500-sheet output bin; 350-sheet stapler stacker
<b>Processor speed</b>	1.2 GHz
<b>Operating system compatibility</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux RHEL (5.3, 2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macos 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Minimum system requirements</b>	PC Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>Mac:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
<b>Connectivity</b>	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Wireless capability	Optional, enabled with purchase of HP Jetdirect 3000w NFC/Wireless Accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLR, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
<b>Dimensions (W x D x H)</b>	<b>Operating:</b> 813 x 616 x 791 mm (32 x 24.25 x 31.125 in); <b>Maximum:</b> 896 x 718 x 791 mm (35.25 x 28.25 x 31.125 in)
<b>Weight</b>	82 kg (181 lb)
<b>Environmental</b>	
Operating environment	<b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH; <b>Operating temperature range:</b> 15 to 30° C (59 to 86° F); <b>Recommended operating temperature range:</b> 17 to 25° C (63 to 77° F); <b>Non-operating humidity range:</b> 10 to 80% RH; <b>Storage before initial setup (Non-Purged):</b> -40 to 60° C (-40 to 140° F); <b>Storage after initial setup (Purged):</b> 0 to 60° C (32 to 140° F)
Acoustics	<b>Acoustic power emissions:</b> 6.7 B(A); <b>Acoustic power emissions (active copy):</b> 6.9 B(A); <b>Acoustic power emissions (ready):</b> Inaudible; <b>Acoustic pressure emissions:</b> 53 dB(A) (printing at 51 ppm); <b>Acoustic pressure emissions Bystander (ready):</b> Inaudible
<b>Power specifications</b>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TECP):</b> 1.42 kWh/Week; <b>Blue Angel (Sleep mode):</b> Test 2 (Blue Angel); <b>Blue Angel (Normal mode):</b> Test 3 (Blue Angel); <b>Energy-saving features:</b> HP Auto-On/Auto-Off Technology
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Warranty</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>What's in the box</b>	HP PageWide Managed Color MFP E77650dns; HP Setup Ink Cartridges (yield after setup ~8,000 pages (CMY and 10,000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Safety and regulatory compliance</b>	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008; IEC 62471:2010; EN 62479:2010; IEC 62479:2010; China CCC; GS; UL Listed
<b>Electromagnetic emission standard</b>	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A, ICES-003 Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014

## Ordering information

<b>Number</b>	<b>Description</b>
Z5G79A	HP PageWide Managed Color MFP E77650dns
<b>Accessories (Optional)</b>	
<b>Number</b>	<b>Description</b>
P1V17A	HP PageWide Managed 550-sheet Paper Tray
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Stand
P1V18A	HP PageWide Managed 3x550-sheet Paper Tray and Stand
P1V19A	HP PageWide Managed 4000-sheet HCl Paper Tray and Stand
A7W99A	HP PageWide 550-sheet Paper Tray
W1B50A	HP PageWide 550-sheet Paper Tray and Stand
W1B51A	HP PageWide 3x550-sheet Paper Tray and Stand
W1B52A	HP PageWide 4000-sheet HCl Paper Tray and Stand
B5L29A	HP High-Performance Secure Hard Disk
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
ESK48A	HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM
J8031A	HP Jetdirect 2900w Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
CC487A	HP LaserJet MFP Analog Fax Accessory 500

<b>Replacement Cartridges and LLCs<sup>8</sup></b>	
<b>Number</b>	<b>Description</b>
MOK31XC	HP 993XC Black Contract PageWide Cartridge (22,000)
MOK08XC	HP 993XC Cyan Contract PageWide Cartridge (16,000)
MOK12XC	HP 993XC Magenta Contract PageWide Cartridge (16,000)
MOK27XC	HP 993XC Yellow Contract PageWide Cartridge (16,000)
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)
W1B45A	HP PageWide Roller Kit (~150,000 pages)

<b>Recommended Papers<sup>9</sup></b>	
<b>Number</b>	<b>Description</b>
Z7568A	HP PageWide Bro GL A3 100 sheets FSC Paper
Z7567A	HP PageWide Bro GL A4 200 sheets FSC Paper

Please visit [hp.com/apac/paper](http://hp.com/apac/paper) for more details.

<b>HP Care Packs</b>	
<b>Number</b>	<b>Description</b>
U9RL1E	HP 1-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL2E	HP 3-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL4E	HP 5-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL5E	HP 3-year 49x5w/DMR PageWide Color 776xx Managed SVC
U9RL7E	HP 5-year 49x5w/DMR PageWide Color 776xx Managed SVC
U9JT2E	HP Installation Service w Network Workgroup Printer

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to [hp.com/go/cpc](http://hp.com/go/cpc)

<b>HP Inc offices</b>		
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Hong Kong	(852) 3559 7777	<a href="http://hp.com.hk">hp.com.hk</a>
India	(80) 2612 9000	<a href="http://hp.com.in">hp.com.in</a>
Indonesia	(62-21) 5799 1088	<a href="http://hp.com/id">hp.com/id</a>
Korea	(02) 2199 0114	<a href="http://hp.co.kr">hp.co.kr</a>
Malaysia	(603) 2332 3333	<a href="http://hp.com.my">hp.com.my</a>
New Zealand	(09) 918 9555	<a href="http://hp.co.nz">hp.co.nz</a>
Philippines	(632) 888 5900	<a href="http://hp.com/ph">hp.com/ph</a>
Singapore	(65) 6275 3888	<a href="http://hp.com.sg">hp.com.sg</a>
Taiwan	(02) 8722 9000	<a href="http://hp.com.tw">hp.com.tw</a>
Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com/th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com/vn</a>

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 Bangladesh • Bhutan • Brunei • Cambodia • Maldives • Nepal • Pakistan • Sri Lanka  
 For more information, please visit us at [hp.com/apac/homeandoffice](http://hp.com/apac/homeandoffice)



<sup>1</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims) <sup>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP Fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP PageWide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>6</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>7</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115V device. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>9</sup> Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>10</sup> Available in selected countries only.



# HP A3 PageWide **Color** MFP E77650dn 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
200 Sheet Document Feeder, Duplex, Exit Tray and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF56A	Base Engine for E77650dn	\$15,253.00
2GP04A	Speed Option for E77650dn	\$1.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00





Print, copy, scan, fax (optional)

# HP PageWide Managed Color MFP E77650dns



HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



#### Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per colour page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>



#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 70 ppm in colour and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>



#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

\* v The image shown above is with a 5 tray stand accessory and may vary based on the choice of accessory ordered by customer

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

<sup>3</sup> Comparison based on printing in Professional Mode.

<sup>4</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of March 2017. Data normalized to determine energy efficiency of in-class A3 colour laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

<sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3000-\$7499), and colour ink/laser single function printers (\$1500-\$2999) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)

<sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com)

<sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed <sup>1</sup>	<b>Black:</b> Up to 70 ppm (General office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Colour:</b> Up to 70 ppm (General Office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Duplex printing:</b> Black/Colour (Professional mode): Up to 35 ppm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 7.1 seconds; <b>Colour (A4, ready):</b> As fast as 7.1 seconds
Resolution	<b>Black (best):</b> Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (On Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Colour (best):</b> Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP Postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer smart software features	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Scan</b>	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	<b>Single-sided (A4):</b> Up to 90 ipm (black and colour); <b>Two-sided (A4):</b> Up to 180 ipm (black and colour)
Bit depth	24-bit
Resolution	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 dpi; <b>Enhanced:</b> Up to 600 ppi
Max scanning size	<b>Flatbed:</b> 297 x 432 mm; <b>ADF:</b> 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Grayscale levels	256
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications
File format	Scan File Type supported by Software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
<b>Copy</b>	
Speed <sup>3</sup>	<b>Black:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4); <b>Colour:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4)
First copy out <sup>4</sup>	<b>Black (letter):</b> As fast as 9.0 seconds; <b>Colour (letter):</b> As fast as 9.0 seconds
Resolution	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi; <b>Colour (text and graphics):</b> Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
<b>Fax (Optional)</b>	
Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Colour (fine):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed <sup>4</sup>	Up to 33.6 kbps; 3 sec per page
Fax features	<b>Faxing:</b> Optional; <b>Faxing options (ADF):</b> Simultaneous Two-Sided; <b>Auto-Redialling:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Fax polling supported:</b> Yes (poll to receive only); <b>Auto fax reduction supported:</b> Yes; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; <b>PC interface supported:</b> Yes; <b>Fax broadcasting, max locations:</b> 210; <b>Telephone handset supported:</b> No
<b>Display</b>	
Duty cycle (monthly, A4) <sup>5</sup>	Up to 200,000 pages
Recommended monthly page volume <sup>6</sup>	2,500 to 50,000 pages
<b>Media</b>	
Custom sizes	<b>Tray 1:</b> 99.1 x 127 to 304.8 x 457.2 mm; <b>Tray 2-5:</b> 210.1 x 148.1 to 297.2 x 431.8 mm; <b>HP Trays 3 &amp; 4:</b> A4 & Letter Only
Recommended Weights	60 to 220 g/m <sup>2</sup> ; 300 g/m <sup>2</sup> Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	<b>Input (standard):</b> 100-sheet multipurpose tray, 550-sheet input tray; <b>Input (optional):</b> 1x550/tray (A3/A4), 1x550/stand (A3/A4), 3x550/stand (A3/A4), HCl (2x2000 sheet A4); <b>Output (standard):</b> 500-sheet output bin; 350-sheet stapler stacker
<b>Processor speed</b>	1.2 GHz
<b>Operating system compatibility</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux RHEL (5.3, 2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Minimum system requirements</b>	PC: Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>Mac:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
<b>Connectivity</b>	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Wireless capability	Optional, enabled with purchase of HP Jetdirect 3000w NFC/Wireless Accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLR, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
<b>Dimensions (W x D x H)</b>	<b>Operating:</b> 813 x 616 x 791 mm (32 x 24.25 x 31.125 in); <b>Maximum:</b> 896 x 718 x 791 mm (35.25 x 28.25 x 31.125 in)
<b>Weight</b>	82 kg (181 lb)
<b>Environmental</b>	
Operating environment	<b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH; <b>Operating temperature range:</b> 15 to 30° C (59 to 86° F); <b>Recommended operating temperature range:</b> 17 to 25° C (63 to 77° F); <b>Non-operating humidity range:</b> 10 to 80% RH; <b>Storage before initial setup (Non-Purged):</b> -40 to 60° C (-40 to 140° F); <b>Storage after initial setup (Purged):</b> 0 to 60° C (32 to 140° F)
Acoustics	<b>Acoustic power emissions:</b> 6.7 B(A); <b>Acoustic power emissions (active copy):</b> 6.9 B(A); <b>Acoustic power emissions (ready):</b> Inaudible; <b>Acoustic pressure emissions:</b> 53 dB(A) (printing at 51 ppm); <b>Acoustic pressure emissions Bystander (ready):</b> Inaudible
<b>Power specifications</b>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TECP):</b> 1.42 kWh/Week; <b>Blue Angel (Sleep mode):</b> Test 2 (Blue Angel); <b>Blue Angel (Normal mode):</b> Test 3 (Blue Angel); <b>Energy-saving features:</b> HP Auto-On/Auto-Off Technology
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Warranty</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>What's in the box</b>	HP PageWide Managed Color MFP E77650dns; HP Setup Ink Cartridges (yield after setup ~8,000 pages (CMY and 10,000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Safety and regulatory compliance</b>	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008; IEC 62471:2010; EN 62479:2010; IEC 62479:2010; China CCC; GS; UL Listed
<b>Electromagnetic emission standard</b>	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A, ICES-003 Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014

## Ordering information

<b>Number</b>	<b>Description</b>
Z5G79A	HP PageWide Managed Color MFP E77650dns
<b>Accessories (Optional)</b>	
<b>Number</b>	<b>Description</b>
P1V17A	HP PageWide Managed 550-sheet Paper Tray
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Stand
P1V18A	HP PageWide Managed 3x550-sheet Paper Tray and Stand
P1V19A	HP PageWide Managed 4000-sheet HCl Paper Tray and Stand
A7W99A	HP PageWide 550-sheet Paper Tray
W1B50A	HP PageWide 550-sheet Paper Tray and Stand
W1B51A	HP PageWide 3x550-sheet Paper Tray and Stand
W1B52A	HP PageWide 4000-sheet HCl Paper Tray and Stand
B5L29A	HP High-Performance Secure Hard Disk
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
ESK48A	HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM
J8031A	HP Jetdirect 2900w Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
CC487A	HP LaserJet MFP Analog Fax Accessory 500

### Replacement Cartridges and LLCs<sup>8</sup>

<b>Number</b>	<b>Description</b>
MOK31XC	HP 993XC Black Contract PageWide Cartridge (22,000)
MOK08XC	HP 993XC Cyan Contract PageWide Cartridge (16,000)
MOK12XC	HP 993XC Magenta Contract PageWide Cartridge (16,000)
MOK27XC	HP 993XC Yellow Contract PageWide Cartridge (16,000)
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)
W1B45A	HP PageWide Roller Kit (~150,000 pages)

### Recommended Papers<sup>9</sup>

<b>Number</b>	<b>Description</b>
Z7568A	HP PageWide Bro GL A3 100 sheets FSC Paper
Z7567A	HP PageWide Bro GL A4 200 sheets FSC Paper

Please visit [hp.com/apac/paper](http://hp.com/apac/paper) for more details.

### HP Care Packs

<b>Number</b>	<b>Description</b>
U9RL1E	HP 1-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL2E	HP 3-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL4E	HP 5-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL5E	HP 3-year 49x5w/DMR PageWide Color 776xx Managed SVC
U9RL7E	HP 5-year 49x5w/DMR PageWide Color 776xx Managed SVC
U9JT2E	HP Installation Service w Network Workgroup Printer

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to [hp.com/go/cpc](http://hp.com/go/cpc)

### HP Inc offices

Australia	(613) 8833 5000	<a href="http://hp.com.au">hp.com.au</a>
China	(010) 6564 3888	<a href="http://hp.com.cn">hp.com.cn</a>
Hong Kong	(852) 3559 7777	<a href="http://hp.com.hk">hp.com.hk</a>
India	(80) 2612 9000	<a href="http://hp.com.in">hp.com.in</a>
Indonesia	(62-21) 5799 1088	<a href="http://hp.com/id">hp.com/id</a>
Korea	(02) 2199 0114	<a href="http://hp.co.kr">hp.co.kr</a>
Malaysia	(603) 2332 3333	<a href="http://hp.com.my">hp.com.my</a>
New Zealand	(09) 918 9555	<a href="http://hp.co.nz">hp.co.nz</a>
Philippines	(632) 888 5900	<a href="http://hp.com/ph">hp.com/ph</a>
Singapore	(65) 6275 3888	<a href="http://hp.com.sg">hp.com.sg</a>
Taiwan	(02) 8722 9000	<a href="http://hp.com.tw">hp.com.tw</a>
Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com.th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com.vn</a>

For the following countries, please fax your queries to: (65) 6275 6707  
Bangladesh • Bhutan • Cambodia • Maldives • Nepal • Pakistan • Sri Lanka  
For more information, please visit us at [hp.com/apac/homeandoffice](http://hp.com/apac/homeandoffice)



<sup>1</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims) <sup>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP Fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP PageWide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>6</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>7</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115V device. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>9</sup> Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>10</sup> Available in selected countries only.

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# HP A3 PageWide **Color** MFP E77650dns 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
200 Sheet Document Feeder, Duplex, Staple Finisher and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF57A	Base Engine for E77650dns	\$18,236.00
2GP07A	Speed Option for E77650dns	\$1.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00





Print, copy, scan, fax (optional)

# HP PageWide Managed Color Flow MFP E77650z



HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



#### Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per colour page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>



#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 70 ppm in colour and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>



#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



#### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimised.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

<sup>3</sup> Comparison based on printing in Professional Mode.

<sup>4</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of March 2017. Data normalized to determine energy efficiency of in-class A3 colour laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

<sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3000-\$7499), and colour ink/laser single function printers (\$1500-\$2999) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)







<sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com)

<sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed <sup>1</sup>	<b>Black:</b> Up to 70 ppm (General office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Colour:</b> Up to 70 ppm (General Office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Duplex printing:</b> Black/Colour (Professional mode): Up to 35 ppm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 7.1 seconds; <b>Colour (A4, ready):</b> As fast as 7.1 seconds
Resolution	<b>Black (best):</b> Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Colour (best):</b> Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP Postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer smart software features	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Scan</b>	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	<b>Single-sided (A4):</b> Up to 120 ipm (black and colour); <b>Two-sided (A4):</b> Up to 240 ipm (black and colour)
Bit depth	24-bit
Resolution	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 dpi; <b>Enhanced:</b> Up to 600 ppi
Max scanning size	<b>Flatbed:</b> 297 x 432 mm; <b>ADF:</b> 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Grayscale levels	256
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXIP) applications
File format	Digital Send; PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
<b>Copy</b>	
Speed <sup>3</sup>	<b>Black:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4); <b>Colour:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4)
First copy out <sup>3</sup>	<b>Black (letter):</b> As fast as 9.0 seconds; <b>Colour (letter):</b> As fast as 9.0 seconds
Resolution	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; <b>Colour (text and graphics):</b> Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
<b>Fax (Optional)</b>	
Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Colour (fine):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed <sup>4</sup>	Up to 33.6 kbps; 3 sec per page
Fax features	<b>Faxing:</b> Optional; <b>Faxing options (ADF):</b> Simultaneous Two-Sided; <b>Auto-Redialling:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Fax polling supported:</b> Yes (poll to receive only); <b>Auto fax reduction supported:</b> Yes; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; <b>PC interface supported:</b> Yes; <b>Fax broadcasting, max locations:</b> 210; <b>Telephone handset supported:</b> No
<b>Display</b>	20.3 cm (8.0 in) touchscreen, XVA Colour Graphic Display (CGD)
Duty cycle (monthly, A4) <sup>5</sup>	Up to 200,000 pages
Recommended monthly page volume <sup>6</sup>	2,500 to 50,000 pages
<b>Media</b>	
Custom sizes	<b>Tray 1:</b> 99.1 x 127 to 304.8 x 457.2 mm; <b>Tray 2-5:</b> 210.1 x 148.1 to 297.2 x 431.8 mm; <b>HP Trays 3 &amp; 4:</b> A4 & Letter Only
Recommended Weights	60 to 220 g/m <sup>2</sup> ; 300 g/m <sup>2</sup> Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	<b>Input (standard):</b> 100-sheet multipurpose tray, 550-sheet input tray; <b>Input (optional):</b> 1x550/tray (A3/A4), 1x550/stand (A3/A4), 3x550/stand (A3/A4), HCl (2x2000 sheet A4); <b>Output (standard):</b> 500-sheet output bin
Processor speed	1.2 GHz
<b>Operating system compatibility</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Minimum system requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 2.33 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>Mac:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
<b>Connectivity</b>	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Wireless capability	Optional, enabled with purchase of HP Jetdirect 3000w NFC/Wireless Accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T, 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLR, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
<b>Dimensions (W x D x H)</b>	<b>Operating:</b> 813 x 616 x 680 mm (32 x 24.25 x 26.75 in); <b>Maximum:</b> 896 x 718 x 680 mm (35.25 x 28.25 x 26.75 in)
<b>Weight</b>	69 kg (153 lb)
<b>Environmental</b>	
Operating environment	<b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH; <b>Operating temperature range:</b> 15 to 30° C (59 to 86° F); <b>Recommended operating temperature range:</b> 17 to 25° C (63 to 77° F); <b>Non-operating humidity range:</b> 10 to 80% RH; <b>Storage before initial setup (Non-Purged):</b> -40 to 60° C (-40 to 140° F); <b>Storage after initial setup (Purged):</b> 0 to 60° C (32 to 140° F)
Acoustics	<b>Acoustic power emissions:</b> 6.8 B(A); <b>Acoustic power emissions (active copy):</b> 7.0 B(A); <b>Acoustic power emissions (ready):</b> Inaudible; <b>Acoustic pressure emissions:</b> 54 dB(A) (printing at 54 ppm); <b>Acoustic pressure emissions Bystander (ready):</b> Inaudible; <b>Acoustic power emissions (active scan):</b> 7.3 B(A) (scanning at 129 ppm with ADF running); <b>Acoustic pressure emissions bystander (active scan):</b> 58 dB(A) (scanning at 129 ppm with ADF running)
<b>Power specifications</b>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TEC):</b> 1.42 kWh/Week; <b>Blue Angel (Sleep mode):</b> Test 2 (Blue Angel); <b>Blue Angel (Normal mode):</b> Test 3 (Blue Angel); <b>Energy-saving features:</b> HP Auto-On/Off Technology
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Warranty</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>What's in the box</b>	HP PageWide Managed Color MFP E77650z; HP Setup Ink Cartridges (yield after setup ~8,000 pages CMY and 10,000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Safety and regulatory compliance</b>	EN 60950-1:2006 + A11:2009 + A12:2010 + A12:2011 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008; IEC 62471:2010; EN 62479:2010; IEC 62479:2010; China CCC; GS; UL Listed
<b>Electromagnetic emission standard</b>	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A, ICES-003 Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014

## Ordering information

<b>Number</b>	<b>Description</b>	
JZ708A	HP PageWide Managed Color Flow MFP E77650z	
<b>Accessories (Optional)</b>		
<b>Number</b>	<b>Description</b>	
P1V17A	HP PageWide Managed 550-sheet Paper Tray	
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Stand	
P1V18A	HP PageWide Managed 3x550-sheet Paper Tray and Stand	
P1V19A	HP PageWide Managed 4000-sheet HCl Paper Tray and Stand	
A7W99A	HP PageWide 550-sheet Paper Tray	
W1B50A	HP PageWide 550-sheet Paper Tray and Stand	
W1B51A	HP PageWide 550-sheet Paper Tray and Stand	
W1B52A	HP PageWide 4000-sheet HCl Paper Tray and Stand	
B5L29A	HP High-Performance Secure Hard Disk	
B5L28A	HP Internal USB Ports	
B5L31A	HP Foreign Interface Harness	
ESK48A	HP ePrint 1 GB x32 144-pin (800 MHz) DDR3 SODIMM	
J8031A	HP Jetdirect 2900w Print Server	
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory	
CC487A	HP LaserJet MFP Analog Fax Accessory 500	
<b>Replacement Cartridges and LLCs<sup>8</sup></b>		
<b>Number</b>	<b>Description</b>	
MOK31XC	HP 993XC Black Contract PageWide Cartridge (22,000)	
MOK08XC	HP 993XC Cyan Contract PageWide Cartridge (16,000)	
MOK12XC	HP 993XC Magenta Contract PageWide Cartridge (16,000)	
MOK27XC	HP 993XC Yellow Contract PageWide Cartridge (16,000)	
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)	
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)	
W1B45A	HP PageWide Roller Kit (~150,000 pages)	
<b>Recommended Papers<sup>9</sup></b>		
<b>Number</b>	<b>Description</b>	
Z7568A	HP PageWide Bro GL A3 100 sheets FSC Paper	
Z7567A	HP PageWide Bro GL A4 200 sheets FSC Paper	
Please visit <a href="http://hp.com/apac/paper">hp.com/apac/paper</a> for more details.		
<b>HP Care Packs</b>		
<b>Number</b>	<b>Description</b>	
U9RL1E	HP 1-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL2E	HP 3-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL4E	HP 5-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL5E	HP 3-year 4h9x5w/DMR PageWide Color 776xx Managed SVC	
U9RL7E	HP 5-year 4h9x5w/DMR PageWide Color 776xx Managed SVC	
U9JT2E	HP Installation Service w Network Workgroup Printer	
Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to <a href="http://hp.com/go/cpc">hp.com/go/cpc</a>		
<b>HP Inc offices</b>		
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India	(80) 2612 9000	<a href="http://hp.com.in">hp.com.in</a>
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Malaysia	(603) 2332 3333	<a href="http://hp.com.my">hp.com.my</a>
New Zealand	(09) 918 9555	<a href="http://hp.co.nz">hp.co.nz</a>
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Singapore	(65) 6275 3888	<a href="http://hp.com.sg">hp.com.sg</a>
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<sup>1</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <a href="http://hp.com/go/printerclaims">hp.com/go/printerclaims</a> <sup>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <a href="http://hp.com/go/printerclaims">hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding. <sup>5</sup> HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>6</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP PageWide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>7</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115V device. <sup>9</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>10</sup> Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://hp.com/go/learnaboutsupplies">hp.com/go/learnaboutsupplies</a> <sup>11</sup> Available in selected countries only.		

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# HP A3 **Color** PageWide Flow MFP E77650z

## 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR and USB), 200 Sheet Document Feeder, Duplex, Exit Tray and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF58A	Base Engine for E77650z	\$16,957.00
2GP10A	Speed Option for E77650z	\$1.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00





Print, copy, scan, fax (optional)

# HP PageWide Managed Color Flow MFP E77650zs



HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



#### Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per colour page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>



#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 70 ppm in colour and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>



#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



#### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimised.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.

\* The image shown above is with a 5 tray stand accessory and may vary based on the choice of accessory ordered by customer.

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

<sup>3</sup> Comparison based on printing in Professional Mode.

<sup>4</sup> Energy claim based on TEC data reported on energystar.gov as of March 2017. Data normalized to determine energy efficiency of in-class A3 colour laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

<sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3000-\$7499), and colour ink/laser single function printers (\$1500-\$2999) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)







<sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com)

<sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed <sup>1</sup>	<b>Black:</b> Up to 70 ppm (General office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Colour:</b> Up to 70 ppm (General Office mode, A4); Up to 50 ppm (Professional mode, A4); <b>Duplex printing:</b> Black/Colour (Professional mode): Up to 35 ppm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 7.1 seconds; <b>Colour (A4, ready):</b> As fast as 7.1 seconds
Resolution	<b>Black (best):</b> Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (On Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Colour (best):</b> Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer smart software features	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Scan</b>	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	<b>Single-sided (A4):</b> Up to 120 ipm (black and colour); <b>Two-sided (A4):</b> Up to 240 ipm (black and colour)
Bit depth	24-bit
Resolution	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 dpi; <b>Enhanced:</b> Up to 600 ppi
Max scanning size	<b>Flatbed:</b> 297 x 432 mm; <b>ADF:</b> 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Grayscale levels	256
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications
File format	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
<b>Copy</b>	
Speed <sup>3</sup>	<b>Black:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4); <b>Colour:</b> Up to 70 cpm (General office mode, A4); Up to 50 cpm (Professional mode, A4)
First copy out <sup>3</sup>	<b>Black (letter):</b> As fast as 9.0 seconds; <b>Colour (letter):</b> As fast as 9.0 seconds
Resolution	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi; <b>Colour (text and graphics):</b> Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
<b>Fax (Optional)</b>	
Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Colour (fine):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed <sup>4</sup>	Up to 33.6 kbps; 3 sec per page
Fax features	<b>Faxing:</b> Optional; <b>Faxing options (ADF):</b> Simultaneous Two-Sided; <b>Auto-Redialling:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Fax polling supported:</b> Yes (poll to receive only); <b>Auto fax reduction supported:</b> Yes; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; <b>PC interface supported:</b> Yes; <b>Fax broadcasting, max locations:</b> 210; <b>Telephone handset supported:</b> No
<b>Display</b>	20.3 cm (8.0 in) touchscreen, XVA Colour Graphic Display (CGD)
<b>Duty cycle (monthly, A4)<sup>5</sup></b>	Up to 200,000 pages
<b>Recommended monthly page volume<sup>6</sup></b>	2,500 to 50,000 pages
<b>Media</b>	
Custom sizes	<b>Tray 1:</b> 99.1 x 127 to 304.8 x 457.2 mm; <b>Tray 2-5:</b> 210.1 x 148.1 to 297.2 x 431.8 mm; <b>HCI Trays 3 &amp; 4:</b> A4 & Letter Only
Recommended Weights	60 to 220 g/m <sup>2</sup> , 300 g/m <sup>2</sup> Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	<b>Input (standard):</b> 100-sheet multipurpose tray, 550-sheet input tray; <b>Input (optional):</b> 1x550/tray (A3/A4), 1x550/stand (A3/A4), 3x550/stand (A3/A4), HCI (2x2000 sheet A4); <b>Output (standard):</b> 500-sheet output bin; 350-sheet stapler stacker
<b>Processor speed</b>	1.2 GHz
<b>Operating system compatibility</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Minimum system requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>Mac:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
<b>Connectivity</b>	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Wireless capability	Optional, enabled with purchase of HP Jetdirect 3000w NFC/Wireless Accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T, 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.0.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLR Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
<b>Dimensions (W x D x H)</b>	<b>Operating:</b> 813 x 616 x 791 mm (32 x 24.25 x 31.125 in); <b>Maximum:</b> 896 x 718 x 791 mm (35.25 x 28.25 x 31.125 in)
<b>Weight</b>	82 kg (181 lb)
<b>Environmental</b>	
Operating environment	<b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH; <b>Operating temperature range:</b> 15 to 30° C (59 to 86° F); <b>Recommended operating temperature range:</b> 17 to 25° C (63 to 77° F); <b>Non-operating humidity range:</b> 10 to 80% RH; <b>Storage before initial setup (Non-Purged):</b> -40 to 60° C (-40 to 140° F); <b>Storage after initial setup (Purged):</b> 0 to 60° C (32 to 140° F)
Acoustics	<b>Acoustic power emissions:</b> 6.6 B(A); <b>Acoustic power emissions (active copy):</b> 6.9 B(A); <b>Acoustic power emissions (ready):</b> Inaudible; <b>Acoustic pressure emissions:</b> 51 dB(A) (printing at 61 ppm); <b>Acoustic pressure emissions Bystander (ready):</b> Inaudible; <b>Acoustic power emissions (active scan):</b> 7.3 B(A) (scanning at 129 ppm with ADF running); <b>Acoustic pressure emissions bystander (active scan):</b> 58 dB(A) (scanning at 129 ppm with ADF running)
<b>Power specifications</b>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TEC):</b> 1.42 kWh/Week; <b>Blue Angel (Sleep mode):</b> Test 2 (Blue Angel); <b>Blue Angel (Normal mode):</b> Test 3 (Blue Angel); <b>Energy-saving features:</b> HP Auto-On/Off Technology
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com) or OS App Source for printer software), Online user manuals
<b>Warranty</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>What's in the box</b>	HP PageWide Managed Color MFP E77650zs; HP Setup Ink Cartridges (yield after setup ~8,000 pages CMY and 10,000 K); Installation guide; Support flyer; documentation on CD-ROM; Power cord
<b>Safety and regulatory compliance</b>	EN 60950-1:2006 + A11:2009 + A12:2010 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008; IEC 62471:2010; EN 62479:2010; IEC 62479:2010; China CCC; GS; UL Listed
<b>Electromagnetic emission standard</b>	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A, IEC-003 Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014

## Ordering information

<b>Number</b>	<b>Description</b>	
J7Z14A	HP PageWide Managed Color Flow MFP E77650zs	
<b>Accessories (Optional)</b>		
<b>Number</b>	<b>Description</b>	
P1V16A	HP PageWide Managed 550-sheet Paper Tray	
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Stand	
P1V18A	HP PageWide Managed 3x550-sheet Paper Tray and Stand	
P1V19A	HP PageWide Managed 4000-sheet HCl Paper Tray and Stand	
A7W99A	HP PageWide 550-sheet Paper Tray	
W1B50A	HP PageWide 550-sheet Paper Tray and Stand	
W1B51A	HP PageWide 550-sheet Paper Tray and Stand	
W1B52A	HP PageWide 4000-sheet HCl Paper Tray and Stand	
B5L29A	HP High-Performance Secure Hard Disk	
B5L28A	HP Internal USB Ports	
B5L31A	HP Foreign Interface Harness	
ESK48A	HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM	
J8031A	HP Jetdirect 2900w Print Server	
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory	
CC487A	HP LaserJet MFP Analog Fax Accessory 500	
<b>Replacement Cartridges and LLCs<sup>8</sup></b>		
<b>Number</b>	<b>Description</b>	
MOK31XC	HP 993XC Black Contract PageWide Cartridge (22,000)	
MOK08XC	HP 993XC Cyan Contract PageWide Cartridge (16,000)	
MOK12XC	HP 993XC Magenta Contract PageWide Cartridge (16,000)	
MOK27XC	HP 993XC Yellow Contract PageWide Cartridge (16,000)	
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)	
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)	
W1B45A	HP PageWide Roller Kit (~150,000 pages)	
<b>Recommended Papers<sup>9</sup></b>		
<b>Number</b>	<b>Description</b>	
Z7S68A	HP PageWide Bro GL A3 100 sheets FSC Paper	
Z7S67A	HP PageWide Bro GL A4 200 sheets FSC Paper	
Please visit <a href="http://hp.com/apac/paper">hp.com/apac/paper</a> for more details.		
<b>HP Care Packs</b>		
<b>Number</b>	<b>Description</b>	
U9RL1E	HP 1-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL2E	HP 3-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL4E	HP 5-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL5E	HP 3-year 4h9x5w/DMR PageWide Color 776xx Managed SVC	
U9RL7E	HP 5-year 4h9x5w/DMR PageWide Color 776xx Managed SVC	
U9JT2E	HP Installation Service w Network Workgroup Printer	
Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to <a href="http://hp.com/go/cpc">hp.com/go/cpc</a>		
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China	(010) 6564 3888	<a href="http://hp.com.cn">hp.com.cn</a>
Hong Kong	(852) 3559 7777	<a href="http://hp.com.hk">hp.com.hk</a>
India	(80) 2612 9000	<a href="http://hp.com/in">hp.com/in</a>
Indonesia	(62-21) 5799 1088	<a href="http://hp.com/id">hp.com/id</a>
Korea	(02) 2199 0114	<a href="http://hp.co.kr">hp.co.kr</a>
Malaysia	(603) 2332 3333	<a href="http://hp.com.my">hp.com.my</a>
New Zealand	(09) 918 9555	<a href="http://hp.co.nz">hp.co.nz</a>
Philippines	(632) 888 5900	<a href="http://hp.com/ph">hp.com/ph</a>
Singapore	(65) 6275 3888	<a href="http://hp.com.sg">hp.com.sg</a>
Taiwan	(02) 8722 9000	<a href="http://hp.com.tw">hp.com.tw</a>
Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com/th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com/vn</a>
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<sup>1</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <a href="http://hp.com/go/printerclaims">hp.com/go/printerclaims</a> <sup>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <a href="http://hp.com/go/printerclaims">hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP PageWide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>6</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>7</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115V device. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>9</sup> Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://hp.com/go/learnaboutsupplies">hp.com/go/learnaboutsupplies</a> <sup>10</sup> Available in selected countries only.		

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# HP A3 **Color** PageWide Flow MFP E77650zs 50PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR and USB), 200 Sheet Document Feeder, Duplex, Staple Finisher and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF59A	E776zs Flow MFP Base Printer	\$19,940.00
2GP13A	Speed Option for E77650zs	\$1.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00



**With 4 Trays, Keyboard & Internal Finisher**





# HP PageWide Managed Color MFP E77660dns - Bundle Product 60 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



**Print Speed:** Letter: Up to 60 ppm black; Up to 60 ppm color  
First Page Out: As fast as 7.1 sec black; As fast as 7.1 sec color

**Scan Resolution:**Hardware: Up to 600 ppi; Optical: Up to 600 ppi

**Copy Resolution:**Black (text and graphics): Up to 600 x 600 dpi; Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi

**Standard Connectivity:**2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket

**Paper Handling:**100-sheet multipurpose tray, 550-sheet input tray; 500-sheet output bin; 350-sheet stapler stacker; staples up to 50 sheets

**Duty Cycle:**Monthly, letter: Up to 250,000 pages

## Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per color page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 80 ppm in color and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at <http://www.hp.com/go/learnaboutsupplies> <sup>3</sup> Comparison based on printing in Professional Mode. <sup>4</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary. <sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at <http://www.hp.com/go/pagewideclaims> <sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs (\$3000-\$7499 and €2820-€7049), and color ink/laser single function printers (\$1500-\$2999 and €1410-€2819) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://www.hp.com/go/printerspeeds> <sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity>

# HP PageWide Managed Color MFP E77660dns - Bundle Product 60 ppm Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax (optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; Up to 60 ppm color <sup>1</sup> <b>First Page Out:</b> As fast as 7.1 sec black; As fast as 7.1 sec color <sup>6</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte). <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
<b>Print Technology</b>	HP PageWide Technology
<b>Print Resolution Technologies</b>	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
<b>Printer Smart Software Features</b>	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Printer Management</b>	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
<b>Scan Type / Technology</b>	Flatbed, ADF / Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 ppi
<b>Scan File Format</b>	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
<b>Scan Input Modes</b>	Front panel applications; Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (DXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 17 in; Up to 11.7 x 34 in when "long scan size" selected Maximum; 2.7 x 5.8 in Minimum; <b>Flatbed:</b> 297 x 432 mm
<b>Scan Speed</b>	Up to 90 ipm simplex and up to 180 ipm duplex <b>Duplex:</b> Up to 90 ipm simplex and up to 180 ipm duplex
<b>Scanner Advanced Features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 9999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>4</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Color (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
<b>Fax Features</b>	<b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
<b>Network Capabilities</b>	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az; (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory
<b>Mobile Printing Capability</b>	HP ePrint, Apple AirPrint™, Google Cloud Print
<b>Memory</b>	<b>Standard:</b> 3584 MB; <b>Maximum:</b> 3584 MB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> 320 GB High-Performance Secure Hard Disk (AES 256 hardware encryption or greater; Secure erase capabilities: Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 250,000 pages
<b>Recommended Monthly Page Volume</b>	2500 to 50,000 pages
<b>Media Types Supported</b>	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
<b>Media Weight Supported</b>	Tray 1: 16 to 58 lb, 80 lb Photo Paper Only; Trays 2 to 5: 16 to 58 lb; HCl Trays 3 & 4: 16 to 58 lb
<b>Media Sizes Supported</b>	Letter, Letter-R, Legal, Executive, Statement, Oficio (8.5x13), 11x17, 12x18, 4x6, 5x7, 5x8, Envelope #10, Envelope B5, Envelope C5, Envelope C6, Envelope DL, Envelope Chou #3
<b>Media Sizes Custom</b>	Tray 1: 3.9 x 5 to 12 x 18; Tray 2-5: 8.27 x 5.83 to 11.70 x 17 in HCl Trays 3 & 4: A4 & Letter Only;
<b>Paper Handling</b>	100-sheet multipurpose tray, 550-sheet input tray, 500-sheet output bin; 350-sheet stapler stacker; staples up to 50 sheets; <b>Duplex Options:</b> Automatic (standard) Manual (driver support provided); <b>Auto Document Feeder Capacity:</b> Standard, 200 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Input Capacities:</b> Up to 650 sheets (MP-up to 100 sheets, Tray 2: up to 550 sheets); <b>Output Capacities:</b> Up to 850 sheets; Up to 50 envelopes

<b>What's in the box</b>	<b>2LP6A:</b> HP PageWide Managed Color MFP E77660dns; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Replacement Cartridges</b>	HP 990XC Black Contract PageWide Cartridge (22,000 pages) MK028XC; HP 990XC Cyan Contract PageWide Cartridge (16,000 pages) MK055XC; HP 990XC Magenta Contract PageWide Cartridge (16,000 pages) MK095XC; HP 990XC Yellow Contract PageWide Cartridge (16,000 pages) MK24XC <sup>3</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 32 x 24.25 x 31.125 in; <b>Maximum:</b> 35.25 x 28.25 x 31.125 in
<b>Product Weight</b>	181 lb
<b>Warranty Features</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Gold (U.S.); EPEAT® Silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
<b>Display Description</b>	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7), Linux SUSE (13.2, 42), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS maxOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (Ultimate, Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 32-/64-bit (SP1) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2GB available hard disk space, OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power Consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off) <sup>1</sup>
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°C; <b>Recommended Operating Temperature:</b> 63 to 77°C; <b>Storage Temperature Range:</b> Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to 140°F. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer). <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Security Management</b>	Identity Management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication, Supports WPA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP/EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase: SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions, 18 Intrusion Detection with Red Balloon Security Technology (constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), Whitelisting (loads only known good code (DLLs, EXEs, etc.); Security Management: Compatible with HP JetAdvantage Security Manager; 21 Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>
<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray P1V16A, HP PageWide Managed 550-sheet Paper Tray and Stand P1V17A, HP PageWide Managed 3x550-sheet Paper Tray and Stand P1V18A, HP PageWide Managed 4000-sheet HCl Paper Tray and Stand P1V19A, HP High-Performance Secure Hard Disk B5L29A, HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB 3x2 144-pin (800 MHz)DDR3 SODIMM E5K48A, HP Jetdirect 2900nw Printer Server JB031A, HP Jetdirect 3000w NFC/Wireless Accessory JB030A, HP LaserJet MFP Analog Fax Accessory 500 C487A
<b>HP Service and Support Options</b>	HP 1y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 3y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 4y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 5y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 3y 4h 9x5w/DMR PgWd Color 776xx MNGD SVC; HP 4y 4h 9x5w/DMR PgWd Color 776xx MNGD SVC; HP 5y 4h 9x5 w/DMR PgWd Color 776xx MNGD SVC; HP 1y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 3y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 4y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 5y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 1y PW Nbdw/DMR PgWd Color 776xx MNGD SVC; HP 3y PW Nbdw/DMR PgWd Color 776xx MNGD SVC; HP 4y PW Nbdw/DMR PgWd Color 776xx MNGD SVC; HP 5y PW Nbdw/DMR PgWd Color 776xx MNGD SVC; HP 2y PW 4h 9x5w/DMR PgWd Cr 776xx MNGD SVC; HP 1y PW Chnl Rmt Parts PgWdCr776xx MNGD SVC; HP 2y PW Chnl Rmt Parts PgWdCr776xx MNGD SVC

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>2</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>3</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims> <sup>6</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity.



# HP A3 PageWide **Color** MFP E77660dn 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
200 Sheet Document Feeder, Duplex, Exit Tray and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF56A	Base Engine for E77660dn	\$15,253.00
2GP05A	Speed Option for E77660dn	\$4,773.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00







# HP PageWide Managed Color MFP E77660dns - Bundle Product 60 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



**Print Speed:** Letter: Up to 60 ppm black; Up to 60 ppm color  
First Page Out: As fast as 7.1 sec black; As fast as 7.1 sec color

**Scan Resolution:**Hardware: Up to 600 ppi; Optical: Up to 600 ppi

**Copy Resolution:**Black (text and graphics): Up to 600 x 600 dpi; Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi

**Standard Connectivity:**2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket

**Paper Handling:**100-sheet multipurpose tray, 550-sheet input tray; 500-sheet output bin; 350-sheet stapler stacker; staples up to 50 sheets

**Duty Cycle:**Monthly, letter: Up to 250,000 pages

## Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per color page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>

## Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 80 ppm in color and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>

## The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at <http://www.hp.com/go/learnaboutsupplies> <sup>3</sup> Comparison based on printing in Professional Mode. <sup>4</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary. <sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at <http://www.hp.com/go/pagewideclaims> <sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs (\$3000-\$7499 and €2820-€7049), and color ink/laser single function printers (\$1500-\$2999 and €1410-€2819) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://www.hp.com/go/printerspeeds> <sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://www.hpconnected.com> <sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity>

# HP PageWide Managed Color MFP E77660dns - Bundle Product 60 ppm Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax (optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; Up to 60 ppm color <sup>1</sup> <b>First Page Out:</b> As fast as 7.1 sec black; As fast as 7.1 sec color <sup>6</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte). <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
<b>Print Technology</b>	HP PageWide Technology
<b>Print Resolution Technologies</b>	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print languages</b>	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
<b>Printer Smart Software Features</b>	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Printer Management</b>	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
<b>Scan Type / Technology</b>	Flatbed, ADF / Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 ppi
<b>Scan File Format</b>	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
<b>Scan Input Modes</b>	Front panel applications; Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (DXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 17 in; Up to 11.7 x 34 in when "long scan size" selected Maximum; 2.7 x 5.8 in Minimum; <b>Flatbed:</b> 297 x 432 mm
<b>Scan Speed</b>	Up to 90 ipm simplex and up to 180 ipm duplex <b>Duplex:</b> Up to 90 ipm simplex and up to 180 ipm duplex
<b>Scanner Advanced Features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 9999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>4</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Color (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
<b>Fax Features</b>	<b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
<b>Network Capabilities</b>	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az; (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory
<b>Mobile Printing Capability</b>	HP ePrint, Apple AirPrint™, Google Cloud Print
<b>Memory</b>	<b>Standard:</b> 3584 MB; <b>Maximum:</b> 3584 MB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> 320 GB High-Performance Secure Hard Disk (AES 256 hardware encryption or greater; Secure erase capabilities: Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 250,000 pages
<b>Recommended Monthly Page Volume</b>	2500 to 50,000 pages
<b>Media Types Supported</b>	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
<b>Media Weight Supported</b>	Tray 1: 16 to 58 lb, 80 lb Photo Paper Only; Trays 2 to 5: 16 to 58 lb; HCl Trays 3 & 4: 16 to 58 lb
<b>Media Sizes Supported</b>	Letter, Letter-R, Legal, Executive, Statement, Oficio (8.5x13), 11x17, 12x18, 4x6, 5x7, 5x8, Envelope #10, Envelope B5, Envelope C5, Envelope C6, Envelope DL, Envelope Chou #3
<b>Media Sizes Custom</b>	Tray 1: 3.9 x 5 to 12 x 18; Tray 2-5: 8.27 x 5.83 to 11.70 x 17 in HCl Trays 3 & 4: A4 & Letter Only;
<b>Paper Handling</b>	100-sheet multipurpose tray, 550-sheet input tray, 500-sheet output bin; 350-sheet stapler stacker; staples up to 50 sheets; <b>Duplex Options:</b> Automatic (standard) Manual (driver support provided); <b>Auto Document Feeder Capacity:</b> Standard, 200 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Input Capacities:</b> Up to 650 sheets (MP-up to 100 sheets, Tray 2: up to 550 sheets); <b>Output Capacities:</b> Up to 850 sheets; Up to 50 envelopes

<b>What's in the box</b>	<b>2LP6A:</b> HP PageWide Managed Color MFP E77660dns; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); installation guide, Support flyer, documentation on CD-ROM; Power cord
<b>Replacement Cartridges</b>	HP 990XC Black Contract PageWide Cartridge (22,000 pages) MK028XC; HP 990XC Cyan Contract PageWide Cartridge (16,000 pages) MK055XC; HP 990XC Magenta Contract PageWide Cartridge (16,000 pages) MK095XC; HP 990XC Yellow Contract PageWide Cartridge (16,000 pages) MK024XC <sup>3</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 32 x 24.25 x 31.125 in; <b>Maximum:</b> 35.25 x 28.25 x 31.125 in
<b>Product Weight</b>	181 lb
<b>Warranty Features</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Gold (U.S.); EPEAT® Silver
<b>Control Panel</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
<b>Display Description</b>	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Compatible Operating Systems</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6, 7), Linux SUSE (13.2, 42), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS maxOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (Ultimate, Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 32-/64-bit (SP1) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2GB available hard disk space, OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power Consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off) <sup>1</sup>
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°C; <b>Recommended Operating Temperature:</b> 63 to 77°C; <b>Storage Temperature Range:</b> Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to 140°F. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer). <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Security Management</b>	Identity Management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication, Supports WPA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP/EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase: SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions, 18 Intrusion Detection with Red Balloon Security Technology (constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), Whitelisting (loads only known good code (DLLs, EXEs, etc.); Security Management: Compatible with HP JetAdvantage Security Manager; 21 Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>
<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray P1V16A, HP PageWide Managed 550-sheet Paper Tray and Stand P1V17A, HP PageWide Managed 3x550-sheet Paper Tray and Stand P1V18A, HP PageWide Managed 4000-sheet HCl Paper Tray and Stand P1V19A, HP High-Performance Secure Hard Disk B5L29A, HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB 3x2 144-pin (800 MHz) DDR3 SODIMM E5K48A, HP Jetdirect 2900nw Printer Server JB031A, HP Jetdirect 3000w NFC/Wireless Accessory JB030A, HP LaserJet MFP Analog Fax Accessory 500 C487A
<b>HP Service and Support Options</b>	HP 1y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 3y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 4y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 5y Nbd w/DMR PgWd Color 776xx MNGD SVC; HP 3y 4h 9x5w/DMR PgWd Color 776xx MNGD SVC; HP 4y 4h 9x5w/DMR PgWd Color 776xx MNGD SVC; HP 5y 4h 9x5w/DMR PgWd Color 776xx MNGD SVC; HP 1y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 3y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 4y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 5y Nbd Chnl Rmt Parts PgWdCr776xxMNGD SVC; HP 1y PW Nbdw/DMR PgWd Color 776xx MNGD SVC; HP 2y PW Nbdw/DMR PgWd Color 776xx MNGD SVC; HP 1y PW 4h 9x5w/DMR PgWd Cr 776xx MNGD SVC; HP 2y PW 4h 9x5w/DMR PgWd Cr 776xx MNGD SVC; HP 1y PW Chnl Rmt Parts PgWdCr776xx MNGD SVC; HP 2y PW Chnl Rmt Parts PgWdCr776xx MNGD SVC

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>2</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>3</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims> <sup>6</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity.





# HP A3 PageWide **Color** MFP E77660dns 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail and USB),  
200 Sheet Document Feeder, Duplex, Staple Finisher and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF57A	Base Engine for E77660dns	\$18,236.00
2GP08A	Speed Option for E77660dns	\$4,773.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00





Print, copy, scan, fax (optional)

# HP PageWide Managed Color Flow MFP E77660z



HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



#### Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per colour page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>



#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 80 ppm in colour and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>



#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



#### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimised.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

<sup>3</sup> Comparison based on printing in Professional Mode.

<sup>4</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of March 2017. Data normalized to determine energy efficiency of in-class A3 colour laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

<sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3000-\$7499), and colour ink/laser single function printers (\$1500-\$2999) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)

<sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com)

<sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed <sup>1</sup>	<b>Black:</b> Up to 80 ppm (General office mode, A4); Up to 60 ppm (Professional mode, A4); <b>Colour:</b> Up to 80 ppm (General Office mode, A4); Up to 60 ppm (Professional mode, A4); <b>Duplex printing:</b> Black/Colour (Professional mode): Up to 40 ppm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 7.1 seconds; <b>Colour (A4, ready):</b> As fast as 7.1 seconds
Resolution	<b>Black (best):</b> Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Colour (best):</b> Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP Postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer smart software features	HP SureStart; Run-time Intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Scan</b>	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	<b>Single-sided (A4):</b> Up to 120 ipm (black and colour); <b>Two-sided (A4):</b> Up to 240 ipm (black and colour)
Bit depth	24-bit
Resolution	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 dpi; <b>Enhanced:</b> Up to 600 ppi
Max scanning size	<b>Flatbed:</b> 297 x 432 mm; <b>ADF:</b> 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Grayscale levels	256
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications
File format	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
<b>Copy</b>	
Speed <sup>1</sup>	<b>Black:</b> Up to 80 cpm (General office mode, A4); Up to 60 cpm (Professional mode, A4); <b>Colour:</b> Up to 80 cpm (General office mode, A4); Up to 60 cpm (Professional mode, A4)
First copy out <sup>3</sup>	<b>Black (letter):</b> As fast as 7.9 seconds; <b>Colour (letter):</b> As fast as 7.9 seconds
Resolution	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; <b>Colour (text and graphics):</b> Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
<b>Fax (Optional)</b>	
Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Colour (fine):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed <sup>4</sup>	Up to 33.6 kbps; 3 sec per page
Fax features	<b>Faxing:</b> Optional; <b>Faxing options (ADF):</b> Simultaneous Two-Sided; <b>Auto-Redialling:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Fax polling supported:</b> Yes (poll to receive only); <b>Auto fax reduction supported:</b> Yes; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; <b>PC interface supported:</b> Yes; <b>Fax broadcasting, max locations:</b> 210; <b>Telephone handset supported:</b> No
<b>Display</b>	
Duty cycle (monthly, A4) <sup>5</sup>	Up to 250,000 pages
Recommended monthly page volume <sup>6</sup>	2,500 to 50,000 pages
<b>Media</b>	
Custom sizes	<b>Tray 1:</b> 99.1 x 127 to 304.8 x 457.2 mm; <b>Tray 2-5:</b> 210.1 x 148.1 to 297.2 x 431.8 mm; <b>HP Trays 3 &amp; 4:</b> A4 & Letter Only
Recommended Weights	60 to 220 g/m <sup>2</sup> , 300 g/m <sup>2</sup> Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	<b>Input (standard):</b> 100-sheet multipurpose tray, 550-sheet input tray; <b>Input (optional):</b> 1x550/tray (A3/A4), 1x550/stand (A3/A4), 3x550/stand (A3/A4), HCl (2x2000 sheet A4); <b>Output (standard):</b> 500-sheet output bin
Processor speed	1.2 GHz
<b>Operating system compatibility</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macos 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Minimum system requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor; 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer, Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8, Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>Mac:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
<b>Connectivity</b>	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Wireless capability	Optional, enabled with purchase HP Jetdirect 3000w NFC/Wireless Accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP/HTTPS, FTP, TFTP, Port 910, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLR, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
<b>Dimensions (W x D x H)</b>	<b>Operating:</b> 813 x 616 x 680 mm (32 x 24.25 x 26.75 in); <b>Maximum:</b> 896 x 718 x 680 mm (35.25 x 28.25 x 26.75 in)
<b>Weight</b>	69 kg (153 lb)
<b>Environmental</b>	
Operating environment	<b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH; <b>Operating temperature range:</b> 15 to 30° C (59 to 86° F); <b>Recommended operating temperature range:</b> 17 to 25° C (63 to 77° F); <b>Non-operating humidity range:</b> 10 to 80% RH; <b>Storage before initial setup (Non-Purged):</b> -40 to 60° C (-40 to 140° F); <b>Storage after initial setup (Purged):</b> 0 to 60° C (32 to 140° F)
Acoustics	<b>Acoustic power emissions:</b> 6.8 dB(A); <b>Acoustic power emissions (active copy):</b> 7.0 dB(A); <b>Acoustic power emissions (ready):</b> Inaudible; <b>Acoustic pressure emissions:</b> 55 dB(A) (printing at 61 ppm); <b>Acoustic pressure emissions Bystander (ready):</b> Inaudible; <b>Acoustic power emissions (active scan):</b> 7.2 dB(A) (scanning at 129 ppm with ADF running); <b>Acoustic pressure emissions bystander (active scan):</b> 57 dB(A) (scanning at 129 ppm with ADF running)
Power specifications	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TEC):</b> 1.42 kWh/Week; <b>Blue Angel (Sleep mode):</b> Test 2 (Blue Angel); <b>Blue Angel (Normal mode):</b> Test 3 (Blue Angel); <b>Energy-saving features:</b> HP Auto-On/Off Technology
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Warranty</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>What's in the box</b>	HP PageWide Managed Color MFP E77660z; HP Setup Ink Cartridges (yield after setup ~8,000 pages CMY and 10,000 K); Installation guide; Support flyer; documentation on CD-ROM; Power cord
<b>Safety and regulatory compliance</b>	EN 60950-1:2006 + A11:2009 + A12:2010 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008; IEC 62471:2010; EN 62479:2010; IEC 62479:2010; China CCC; GS; UL Listed
<b>Electromagnetic emission standard</b>	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A, ICES-003 Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014

## Ordering information

<b>Number</b>	<b>Description</b>	
J7Z03A	HP PageWide Managed Color Flow MFP E77660z	
<b>Accessories (Optional)</b>		
<b>Number</b>	<b>Description</b>	
P1V17A	HP PageWide Managed 550-sheet Paper Tray	
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Stand	
P1V18A	HP PageWide Managed 3x550-sheet Paper Tray and Stand	
P1V19A	HP PageWide Managed 4000-sheet HCl Paper Tray and Stand	
A7W99A	HP PageWide 550-sheet Paper Tray	
W1B50A	HP PageWide 550-sheet Paper Tray and Stand	
W1B51A	HP PageWide 3x550-sheet Paper Tray and Stand	
W1B52A	HP PageWide 4000-sheet HCl Paper Tray and Stand	
B5L29A	HP High-Performance Secure Hard Disk	
B5L28A	HP Internal USB Ports	
B5L31A	HP Foreign Interface Harness	
ESK48A	1 GB x32 144-pin (800 MHz) DDR3 SODIMM	
J8031A	HP Jetdirect 2900w Print Server	
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory	
CC487A	HP LaserJet MFP Analog Fax Accessory 500	
<b>Replacement Cartridges and LLC's<sup>9</sup></b>		
<b>Number</b>	<b>Description</b>	
MOK31XC	HP 993XC Black Contract PageWide Cartridge (22,000)	
MOK08XC	HP 993XC Cyan Contract PageWide Cartridge (16,000)	
MOK12XC	HP 993XC Magenta Contract PageWide Cartridge (16,000)	
MOK27XC	HP 993XC Yellow Contract PageWide Cartridge (16,000)	
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)	
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)	
W1B45A	HP PageWide Roller Kit (~150,000 pages)	
<b>Recommended Papers<sup>10</sup></b>		
<b>Number</b>	<b>Description</b>	
Z7568A	HP PageWide Bro GL A3 100 sheets FSC Paper	
Z7567A	HP PageWide Bro GL A4 200 sheets FSC Paper	
Please visit <a href="http://hp.com/apac/paper">hp.com/apac/paper</a> for more details.		
<b>HP Care Packs</b>		
<b>Number</b>	<b>Description</b>	
U9RL1E	HP 1-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL2E	HP 3-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL4E	HP 5-year Next Business Day w/DMR PageWide Color 776xx Managed SVC	
U9RL5E	HP 3-year 4h9x5w/DMR PageWide Color 776xx Managed SVC	
U9RL7E	HP 5-year 4h9x5w/DMR PageWide Color 776xx Managed SVC	
U9JT2E	HP Installation Service w Network Workgroup Printer	
Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to <a href="http://hp.com/go/cpc">hp.com/go/cpc</a>		
<b>HP Inc offices</b>		
Australia	(613) 8833 5000	<a href="http://hp.com.au">hp.com.au</a>
China	(010) 6564 3888	<a href="http://hp.com.cn">hp.com.cn</a>
Hong Kong	(852) 3559 7777	<a href="http://hp.com.hk">hp.com.hk</a>
India	(80) 2612 9000	<a href="http://hp.com.in">hp.com.in</a>
Indonesia	(62-21) 5799 1088	<a href="http://hp.com/id">hp.com/id</a>
Korea	(02) 2199 0114	<a href="http://hp.co.kr">hp.co.kr</a>
Malaysia	(603) 2332 3333	<a href="http://hp.com.my">hp.com.my</a>
New Zealand	(09) 918 9555	<a href="http://hp.co.nz">hp.co.nz</a>
Philippines	(632) 888 5900	<a href="http://hp.com/ph">hp.com/ph</a>
Singapore	(65) 6275 3888	<a href="http://hp.com.sg">hp.com.sg</a>
Taiwan	(02) 8722 9000	<a href="http://hp.com.tw">hp.com.tw</a>
Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com/th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com/vn</a>
For the following countries, please fax your queries to: (65) 6275 6707 Bangladesh • Bhutan • Brunei • Cambodia • Maldives • Nepal • Pakistan • Sri Lanka For more information, please visit us at <a href="http://hp.com/apac/homeandoffice">hp.com/apac/homeandoffice</a>		
     		
<sup>1</sup> ISO speeds measured using ISO/IEC 24734. Excludes first copy or first set of 150 test pages. For details see <a href="http://hp.com/go/printerclaims">hp.com/go/printerclaims</a> <sup>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <a href="http://hp.com/go/printerclaims">hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP Fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP PageWide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>6</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>7</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115V device. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>9</sup> Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://hp.com/go/learnaboutsupplies">hp.com/go/learnaboutsupplies</a> <sup>10</sup> Available in selected countries only.		

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# HP A3 **Color** PageWide Flow MFP E77660z 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR and USB), 200 Sheet Document Feeder, Duplex, Exit Tray and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF58A	E776z Flow MFP Base Printer	\$16,957.00
2GP11A	Speed Option for E77660z	\$4,816.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00





Print, copy, scan, fax (optional)

# HP PageWide Managed Color Flow MFP E77660zs



HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



#### Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per colour page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient printer in its class.<sup>4</sup>



#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 80 ppm in colour and black-and-white.<sup>6</sup>
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>



#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.



#### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimised.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.

\* The image shown above is with a 5 tray stand accessory and may vary based on the choice of accessory ordered by customer.

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>2</sup> High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

<sup>3</sup> Comparison based on printing in Professional Mode.

<sup>4</sup> Energy claim based on TEC data reported on energystar.gov as of March 2017. Data normalized to determine energy efficiency of in-class A3 colour laser printers (\$1500-\$2999) and MFPs (\$3000-\$7499) as of February 2017, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

<sup>5</sup> Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>6</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3000-\$7499), and colour ink/laser single function printers (\$1500-\$2999) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)

<sup>7</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com)

<sup>8</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed <sup>1</sup>	<b>Black:</b> Up to 80 ppm (General office mode, A4); Up to 60 ppm (Professional mode, A4); <b>Colour:</b> Up to 80 ppm (General Office mode, A4); Up to 60 ppm (Professional mode, A4); <b>Duplex printing:</b> Black/Colour (Professional mode): Up to 40 ppm
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 7.1 seconds; <b>Colour (A4, ready):</b> As fast as 7.1 seconds
Resolution	<b>Black (best):</b> Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Colour (best):</b> Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP Postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
Printer smart software features	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Scan</b>	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	<b>Single-sided (A4):</b> Up to 120 ipm (black and colour); <b>Two-sided (A4):</b> Up to 240 ipm (black and colour)
Bit depth	24-bit
Resolution	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 dpi; <b>Enhanced:</b> Up to 600 ppi
Max scanning size	<b>Flatbed:</b> 297 x 432 mm; <b>ADF:</b> 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected
Grayscale levels	256
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXF) applications
File format	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
<b>Copy</b>	
Speed <sup>1</sup>	<b>Black:</b> Up to 80 cpm (General office mode, A4); Up to 60 cpm (Professional mode, A4); <b>Colour:</b> Up to 80 cpm (General office mode, A4); Up to 60 cpm (Professional mode, A4)
First copy out <sup>2</sup>	<b>Black (letter):</b> As fast as 7.9 seconds; <b>Colour (letter):</b> As fast as 7.9 seconds
Resolution	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi; <b>Colour (text and graphics):</b> Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	25 to 400%
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); job build
<b>Fax (Optional)</b>	
Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Colour (fine):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed <sup>4</sup>	Up to 33.6 kbps; 3 sec per page
Fax features	<b>Faxing:</b> Optional; <b>Faxing options (ADF):</b> Simultaneous Two-Sided; <b>Auto-Retrieving:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Fax polling supported:</b> Yes (poll to receive only); <b>Auto fax reduction supported:</b> Yes; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; <b>PC interface supported:</b> Yes; <b>Fax broadcasting, max locations:</b> 210; <b>Telephone handset supported:</b> No
<b>Display</b>	20.3 cm (8.0 in) touchscreen, XVA Colour Graphic Display (CGD)
Duty cycle (monthly, A4) <sup>3</sup>	Up to 250,000 pages
Recommended monthly page volume <sup>3</sup>	2,500 to 50,000 pages
<b>Media</b>	
Custom sizes	<b>Tray 1:</b> 99.1 x 127 to 304.8 x 457.2 mm; <b>Tray 2-5:</b> 210.1 x 148.1 to 297.2 x 431.8 mm; <b>HCI Trays 3 &amp; 4:</b> A4 & Letter Only
Recommended Weights	60 to 220 g/m <sup>2</sup> ; 300 g/m <sup>2</sup> Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	<b>Input (standard):</b> 100-sheet multipurpose tray, 550-sheet input tray; <b>Input (optional):</b> 1x550/tray (A3/A4), 1x550/stand (A3/A4), 3x550/stand (A3/A4), HCI (2x2000 sheet A4); <b>Output (standard):</b> 500-sheet output bin; 350-sheet stapler stacker
Processor speed	1.2 GHz
<b>Operating system compatibility</b>	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Minimum system requirements</b>	<b>PC:</b> Windows 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer, Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8, Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; <b>Mac:</b> Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
<b>Connectivity</b>	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Wireless capability	Optional, enabled with purchase of HP Jetdirect 3000w NFC/Wireless Accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print
<b>Dimensions (W x D x H)</b>	<b>Operating:</b> 813 x 616 x 791 mm (32 x 24.25 x 31.125 in); <b>Maximum:</b> 896 x 718 x 791 mm (35.25 x 28.25 x 31.125 in)
<b>Weight</b>	82 kg (181 lb)
<b>Environmental</b>	
Operating environment	<b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH; <b>Operating temperature range:</b> 15 to 30° C (59 to 86° F); <b>Recommended operating temperature range:</b> 17 to 25° C (63 to 77° F); <b>Non-operating humidity range:</b> 10 to 80% RH; <b>Storage before initial setup (Non-Purged):</b> -40 to 60° C (-40 to 140° F); <b>Storage after initial setup (Purged):</b> 0 to 60° C (32 to 140° F)
Acoustics	<b>Acoustic power emissions:</b> 6.6 B(A); <b>Acoustic power emissions (active copy):</b> 6.9 B(A); <b>Acoustic power emissions (ready):</b> Inaudible; <b>Acoustic pressure emissions:</b> 51 dB(A) (printing at 61 ppm); <b>Acoustic pressure emissions Bystander (ready):</b> Inaudible; <b>Acoustic power emissions (active scan):</b> 7.2 B(A) (scanning at 129 ppm with ADF running); <b>Acoustic pressure emissions bystander (active scan):</b> 57 dB(A) (scanning at 129 ppm with ADF running)
<b>Power specifications</b>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TEC):</b> 1.42 kWh/Week; <b>Blue Angel (Sleep mode):</b> Test 2 (Blue Angel); <b>Blue Angel (Normal mode):</b> Test 3 (Blue Angel); <b>Energy-saving Features:</b> HP Auto-On/Off Technology
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Store for printer software), Online user manuals
<b>Warranty</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>What's in the box</b>	HP PageWide Managed Color MFP E77660zs; HP Setup Ink Cartridges (yield after setup - 8,000 pages CMY and 10,000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Safety and regulatory compliance</b>	EN 60950-1:2006 + A1:1:2009 + A1:2010 + A1:2011 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008; IEC 62471:2010; EN 62479:2010; IEC 62479:2010; China CCC; GS; UL Listed
<b>Electromagnetic emission standard</b>	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A, ICES-003 Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014

## Ordering information

<b>Number</b>	<b>Description</b>
J7Z07A	HP PageWide Managed Color Flow MFP E77660zs
<b>Accessories (Optional)</b>	
<b>Number</b>	<b>Description</b>
P1V16A	HP PageWide Managed 550-sheet Paper Tray
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Stand
P1V18A	HP PageWide Managed 3x550-sheet Paper Tray and Stand
P1V19A	HP PageWide Managed 4000-sheet HCl Paper Tray and Stand
A7W99A	HP PageWide 550-sheet Paper Tray
W1B50A	HP PageWide 550-sheet Paper Tray and Stand
W1B51A	HP PageWide 3x550-sheet Paper Tray and Stand
W1B52A	HP PageWide 4000-sheet HCl Paper Tray and Stand
B5L29A	HP High-Performance Secure Hard Disk
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
ESK48A	HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM
J8031A	HP Jetdirect 2900w Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
CC487A	HP LaserJet MFP Analog Fax Accessory 500

### Replacement Cartridges and LLCs<sup>5</sup>

<b>Number</b>	<b>Description</b>
MOK31XC	HP 993XC Black Contract PageWide Cartridge (22,000)
MOK08XC	HP 993XC Cyan Contract PageWide Cartridge (16,000)
MOK12XC	HP 993XC Magenta Contract PageWide Cartridge (16,000)
MOK27XC	HP 993XC Yellow Contract PageWide Cartridge (16,000)
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)
W1B45A	HP PageWide Roller Kit (~150,000 pages)

### Recommended Papers<sup>6</sup>

<b>Number</b>	<b>Description</b>
Z7568A	HP PageWide Bro GL A3 100 sheets FSC Paper
Z7567A	HP PageWide Bro GL A4 200 sheets FSC Paper

Please visit [hp.com/apac/paper](http://hp.com/apac/paper) for more details.

### HP Care Packs

<b>Number</b>	<b>Description</b>
U9RL1E	HP 1-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL2E	HP 3-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL4E	HP 5-year Next Business Day w/DMR PageWide Color 776xx Managed SVC
U9RL5E	HP 3-year 4h9x5w/DMR PageWide Color 776xx Managed SVC
U9RL7E	HP 5-year 4h9x5w/DMR PageWide Color 776xx Managed SVC
U9JT2E	HP Installation Service w Network Workgroup Printer

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For more information, please visit us at [hp.com/apac/homeandoffice](http://hp.com/apac/homeandoffice)



<sup>1</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of 150 test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims) <sup>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP Fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17 <sup>5</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP PageWide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>6</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>7</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115V device. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>9</sup> Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>10</sup> Available in selected countries only.

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# HP A3 **Color** PageWide Flow MFP E77660zs 60PPM Printer/Copier Quick Reference Sheet

**Standard Features:** Print, Copy, Scan (Network Folder, E-Mail, OCR and USB), 200 Sheet Document Feeder, Duplex, Staple Finisher and 1 Adjustable 550 Sheet Tray.

Part #	Description	List Price
2CF59A	E776zs Flow MFP Base Printer	\$19,940.00
2GP14A	Speed Option for E77660zs	\$4,816.00
P1V16A	Cassette - 1 x 550 Sheets	\$1,107.83
P1V17A	Cassette - 1 x 550 Sheets Plus Stand	\$2,258.26
P1V18A	Cassette - 3 x 550 Sheets Plus Stand	\$3,749.57
P1V19A	Cassette - 2 x 2000 Sheets Plus Stand	\$5,240.87
CC487A	Fax	\$348.00



**With 4 Trays, Keyboard & Internal Finisher**