Data sheet

HP Color LaserJet Managed MFP E77822, E77825, E77830

The next generation of quality, productivity, and security

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet A3 MFPs – to power productivity with a streamlined design that delivers premium colour value, maximum uptime, and the strongest security.[1]

Big colour. Small cost.

- Print premium, professional-quality documents with vivid colour 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.[2]
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast – up to 30 ppm.[3]

The world's most secure printing[1]

- 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.[4]
- 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.[5]
- Enter data more quickly and accurately using the pull-out keyboard.[5]
- Help ensure every scanned document is properly oriented, cropped to size, and greyscale-optimised.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.

Color touchscreen

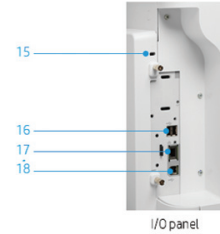HP Web Jetadmin

Easy access USB

2-sided printing

Quality laser printing

Product walkaround

HP Color LaserJet Managed Flow MFP E77830z shown

1. 250-sheet automatic document feeder supports media up to A3
2. Flatbed scanner handles sheets up to 297 x 432 mm
3. 20.3 cm colour touchscreen control panel tilts up for easier viewing
4. Pull-out keyboard (Flow MFP E77822z, Flow MFP E77825z, Flow MFP E77830z)
5. Right door (access to the print path)
6. 100-sheet multipurpose tray 1 supports media up to A3
7. Front door access to toner cartridges
8. Hardware Integration Pocket (for connecting accessory and third-party devices)
9. Easy-access USB port
10. 500-sheet output bin
11. Automatic two-sided printing
12. HP Secure High-Performance Hard Disk
13. 520-sheet tray 2 supports media up to A4
14. 520-sheet tray 3 supports media up to A3
15. Slot for cable-type security lock
16. 2 Hi-Speed USB 2.0 Host ports
17. Gigabit Ethernet port
18. Hi-Speed USB 2.0 Device port

I/O panel

Series at a glance

Model	HP Color MFP E77822dn	HP Color MFP E77825dn	HP Color MFP E77830dn	HP Color Flow MFP E77822z	HP Color Flow MFP E77825z	HP Color Flow MFP E77830z
Product number	X3A61A + X3A78A or Z8Z00A	X3A61A + X3A81A or Z8Z02A	X3A61A + X3A84A or Z8Z04A	X3A64A + X3A77A or Z8Z01A	X3A64A + X3A80A or Z8Z03A	X3A64A + X3A83A or Z8Z05A
Functions	Print, copy, and scan (fax and wireless optional)	Print, copy, and scan (fax and wireless optional)	Print, copy, and scan (fax and wireless optional)	Same as E77822dn	Same as E77825dn	Same as E77830dn
Print speed	Up to 22 pages per minute (ppm), A4	Up to 25 pages per minute (ppm), A4	Up to 30 pages per minute (ppm), A4	Same as E77822dn	Same as E77825dn	Same as E77830dn
ADF capacity	100 sheets, supports media up to A3	100 sheets, supports media up to A3	100 sheets, supports media up to A3	250 sheets, supports media up to A3	250 sheets, supports media up to A3	250 sheets, supports media up to A3
Scan speeds	Simplex/duplex: 80 ipm/160 ipm (A4)	Simplex/duplex: 80 ipm/160 ipm (A4)	Simplex/duplex: 80 ipm/160 ipm (A4)	Simplex/duplex: 120 ipm/240 ipm (A4)	Simplex/duplex: 120 ipm/240 ipm (A4)	Simplex/duplex: 120 ipm/240 ipm (A4)
Advanced workflow features	Send to Microsoft® SharePoint®	Send to Microsoft® SharePoint®	Send to Microsoft® SharePoint®	Same as E77822dn, plus: HP EveryPage technology, pull-out keyboard, auto-tone, auto orientation, auto-page-crop, embedded OCR	Same as E77825dn, plus: HP EveryPage technology, pull-out keyboard, auto-tone, auto orientation, auto-page-crop, embedded OCR	Same as E77830dn, plus: HP EveryPage technology, pull-out keyboard, auto-tone, auto orientation, auto-page-crop, embedded OCR
Optional input accessories	2 x 520-sheet Paper Feeder, 2,000-sheet HCI Feeder, Printer Cabinet	2 x 520-sheet Paper Feeder, 2,000-sheet HCI Feeder, Printer Cabinet	2 x 520-sheet Paper Feeder, 2,000-sheet HCI Feeder, Printer Cabinet	Same as E77822dn	Same as E77825dn	Same as E77830dn
Optional output accessories	Stapler/Stacker, Inner Finisher, Hole Punch (2/3, 2/4, and Swedish), Booklet Maker	Stapler/Stacker, Inner Finisher, Hole Punch (2/3, 2/4, and Swedish), Booklet Maker	Stapler/Stacker, Inner Finisher, Hole Punch (2/3, 2/4, and Swedish), Booklet Maker	Same as E77822dn	Same as E77825dn	Same as E77830dn

Accessories, Supplies and Support

Supplies	
W9040MC	HP W9040MC Black Managed LaserJet Toner 34,000 pages
W9041MC	HP W9041MC Cyan Managed LaserJet Toner 32,000 pages
W9042MC	HP W9042MC Yellow Managed LaserJet Toner 32,000 pages
W9043MC	HP W9043MC Magenta Managed LaserJet Toner 32,000 pages
W9044MC	HP W9044MC Managed LaserJet Imaging Drum
W9048MC	HP W9048MC Managed LaserJet Toner Collection Unit
Accessories	
Y1G13A	HP LaserJet Inner/Booklet Staples
Y1G14A	HP LaserJet Stapler/Stacker Finisher Staples
Y1F97A	HP LaserJet Dual Cassette Workgroup Feeder
Y1F99A	HP LaserJet 2000-sheet HCI Input Tray
Y1G00A	HP LaserJet Inner Finisher
Y1G18A	HP LaserJet Stapler/Stacker Finisher
Y1G07A	HP LaserJet Booklet Finisher
Y1G03A	HP LaserJet Inner Finisher Hole 2/4 Punch
Y1G04A	HP LaserJet Inner Finisher Swedish Punch
Y1G11A	HP LaserJet Hole Punch 2/4 Accessory
Y1G12A	HP LaserJet Hole Punch Swedish Accessory
CC487A	HP LaserJet MFP Analog Fax Accessory 500
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
B5L31A	HP Foreign Interface Harness
F5S62A	HP Trusted Platform Module Accessory
Connectivity	
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
J8031A	HP Jetdirect 2900nw Print Server
Service and support	
U9LP3E	HP 1 year Next Business Day Service with Defective Media Retention for Colour LaserJet E778xx MFP Managed
U9LP4E	HP 3 year Next Business Day Service with Defective Media Retention for Colour LaserJet e778xx MFP Managed
U9LP5E	HP 4 year Next Business Day Service with Defective Media Retention for Colour LaserJet E778xx MFP Managed
U9LP6E	HP 5 year Next Business Day Service with Defective Media Retention for Colour LaserJet E778xx MFP Managed
U9LQ4PE	HP 1 year Post Warranty Next Business Day Service with Defective Media Retention for Colour LaserJet E778xx MFP Managed
U9LQ5PE	HP 2 year Post Warranty Next Business Day Service with Defective Media Retention for Colour LaserJet E778xx MFP Managed
U9LQ0E	HP 1 year Next Business Day Parts Exchange Service for Colour LaserJet E778xxx MFP Managed
U9LQ1E	HP 3 year Next Business Day Parts Exchange Service for Colour LaserJet E778xx MFP Managed
U9LQ2E	HP 4 year Next Business Day Parts Exchange Service for Colour LaserJet E778xx MFP Managed
U9LQ3E	HP 5 year Next Business Day Parts Exchange Service for Colour LaserJet E778xx MFP Managed
U9LQ8PE	HP 1 year Post Warranty Next Business Day Parts Exchange Serrvice for Colour LaserJet E778xx MFP Managed
U9LQ9PE	HP 2 year Post Warranty Next Business Day Exchange Service for Colour LaserJet E778xx MFP Managed

Technical specifications

Model	HP Color MFP E77822dn	HP Color MFP E77825dn	HP Color MFP E77830dn	HP Color Flow MFP E77822z	HP Color Flow MFP E77825z	HP Color Flow MFP E77830z
Product number	X3A61A + X3A78A or Z8Z00A	X3A61A + X3A81A or Z8Z02A	X3A61A + X3A84A or Z8Z04A	X3A64A + X3A77A or Z8Z01A	X3A64A + X3A80A or Z8Z03A	X3A64A + X3A83A or Z8Z05A
Functions	Print, Copy, Scan (fax and wireless optional)					
Control panel	20.3 cm (8.0-in) Colour 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					
Print						
Print technology	Laser					
Print speed[1]	**Black (A4, normal):** Up to 22 ppm; **Colour (A4, normal):** Up to 22 ppm; **Black (A4, duplex):** Up to 17 ipm; **Black (A3, normal):** Up to 11 ppm; **Colour (A3, normal):** Up to 11 ppm	**Black (A4, normal):** Up to 25 ppm; **Colour (A4, normal):** Up to 25 ppm; **Black (A4, duplex):** Up to 18 ipm; **Black (A3, normal):** Up to 12 ppm; **Colour (A3, normal):** Up to 12 ppm	**Black (A4, normal):** Up to 30 ppm; **Colour (A4, normal):** Up to 30 ppm; **Black (A4, duplex):** Up to 21 ipm; **Black (A3, normal):** Up to 15 ppm; **Colour (A3, normal):** Up to 15 ppm	**Black (A4, normal):** Up to 22 ppm; **Colour (A4, normal):** Up to 22 ppm; **Black (A4, duplex):** Up to 17 ipm; **Black (A3, normal):** Up to 11 ppm; **Colour (A3, normal):** Up to 11 ppm	**Black (A4, normal):** Up to 25 ppm; **Colour (A4, normal):** Up to 25 ppm; **Black (A4, duplex):** Up to 18 ipm; **Black (A3, normal):** Up to 12 ppm; **Colour (A3, normal):** Up to 12 ppm	**Black (A4, normal):** Up to 30 ppm; **Colour (A4, normal):** Up to 30 ppm; **Black (A4, duplex):** Up to 21 ipm; **Black (A3, normal):** Up to 15 ppm; **Colour (A3, normal):** Up to 15 ppm
First page out[2]	**Black (A4, ready):** As fast as 10.0 sec; **Colour (A4, ready):** As fast as 12.2 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 9.7 sec; **Colour (A4, ready):** As fast as 11.7 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 9.6 sec; **Colour (A4, ready):** As fast as 11.3 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 10.0 sec; **Colour (A4, ready):** As fast as 12.2 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 9.7 sec; **Colour (A4, ready):** As fast as 11.7 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 9.6 sec; **Colour (A4, ready):** As fast as 11.3 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec
Print resolution	**Black (best):** Up to 1200 x 1200 dpi reduced speed; **Colour (best):** Up to 1200 x 1200 dpi reduced speed					
Monthly duty cycle	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 30,000 pages					
Printer smart software features	Quality colour printing for a great value is a smart choice for any business. Produce premium, professional-quality colour documents at a competitive low cost with an HP Colour 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 240 ipm – and avoid extra steps with a Flow MFP designed for maximum productivity.					
Standard print languages	HP PCL 6, HP PCL 5c, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible					
Fonts and typefaces	84 scalable TrueType fonts					

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Print area	**Print margins:** Top: 4.2 mm, Bottom: 4.2 mm, Left: 4.2 mm, Right: 4.2 mm; **Maximum print area:** 288.5 x 423.6 mm					
Duplex printing	Automatic (standard)					
Copy						
Copy speed	**Black (A4):** Up to 22 cpm; **Colour (A4):** Up to 22 cpm	**Black (A4):** Up to 25 cpm; **Colour (A4):** Up to 25 cpm	**Black (A4):** Up to 30 cpm; **Colour (A4):** Up to 30 cpm	**Black (A4):** Up to 22 cpm; **Colour (A4):** Up to 22 cpm	**Black (A4):** Up to 25 cpm; **Colour (A4):** Up to 25 cpm	**Black (A4):** Up to 30 cpm; **Colour (A4):** Up to 30 cpm
Copier specifications	Two-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); Optimised 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 colour/monochrome; Image preview; **Maximum number of copies:** Up to 999 copies; **Copy resolution:** Up to 1,200 x 1,200 dpi; **Reduce/Enlarge:** 25 to 400%					
Scan						
Scan speed[3]	**Normal (A4):** Up to 80 ppm/160 ipm (black and white); Up to 80 ppm/160 ipm (colour); **Duplex (A4):** Up to 160 ipm (black and white); Up to 160 ipm (colour)	**Normal (A4):** Up to 80 ppm/160 ipm (black and white); Up to 80 ppm/160 ipm (colour); **Duplex (A4):** Up to 160 ipm (black and white); Up to 160 ipm (colour)	**Normal (A4):** Up to 80 ppm/160 ipm (black and white); Up to 80 ppm/160 ipm (colour); **Duplex (A4):** Up to 160 ipm (black and white); Up to 160 ipm (colour)	**Normal (A4):** Up to 120 ppm/240 ipm (black and white); Up to 120 ppm/240 ipm (colour); **Duplex (A4):** Up to 240 ipm (black and white); Up to 240 ipm (colour)	**Normal (A4):** Up to 120 ppm/240 ipm (black and white); Up to 120 ppm/240 ipm (colour); **Duplex (A4):** Up to 240 ipm (black and white); Up to 240 ipm (colour)	**Normal (A4):** Up to 120 ppm/240 ipm (black and white); Up to 120 ppm/240 ipm (colour); **Duplex (A4):** Up to 240 ipm (black and white); Up to 240 ipm (colour)
Scan file format	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)					
Scanner specifications	**Scanner type:** Flatbed, ADF; **Scan technology:** Platen Scanner CCD Digital-CIS; **Scan input modes:** Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications; **Twain version:** Version 2.1; **Duplex ADF scanning:** Yes; **Scan size maximum (flatbed, ADF):** 297 x 432 mm; **Optical scan resolution:** Up to 600 x 600 dpi					
Scanner Advanced Features	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB					
Scannable area	**Minimum media size (flatbed):** 25 mm; **Maximum media size (flatbed):** 297 x 432 mm; **Minimum media size (ADF):** 105 x 148 mm; **Maximum media size (ADF):** 297 x 432 mm					
Bit depth/ Grey scale levels	24-bit / 256					
Digital sending	**Standard:** 3 sec per page; **Optional:** 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					
Fax						
Fax[4]	Optional, Standard (built-in Gigabit 10/100/1000T Ethernet)					
Fax specifications	**Fax resolution:** Standard: 203 x 98 dpi; Fine: 203 x 196 dpi; Superfine: 203 x 392 dpi or 300 x 300; **Quick dialing:** Up to 1000 numbers (each with 210 destinations)					
Processor speed	1.2 GHz					
Connectivity						
Optional	HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 2900nw Print Server J8031A					
Wireless	No wireless capabilities standard. There are optional accessories that support wireless. These are listed in the connectivity section, above.					
Mobile printing capability [5]	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					
Supported network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 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; Other: NetWare NDS, Bindery, NDPS, ePrint, Google Cloud Print 2.0					
Network capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet)					
Hard disk	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).					
Memory	**Standard:** 6 GB; **Maximum** : 6 GB			**Standard:** 7 GB; **Maximum** : 7 GB		
Media handling						
Number of paper trays	**Standard:** 3; **Maximum:** 5					
Media types	Plain, HP EcoEFICIENT, 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, Extra Heavy Glossy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Coloured					
Media size	**Custom (metric):** Tray 1: 98 x 148 mm to 297 x 432 mm; Tray 2: 139.7 x 210 mm to 297 x 364 mm; Tray 3: 139.7 x 210 mm to 297 x 432 mm **Supported (metric):** Tray 1: A3, A4, A4R, A5, A5R, A6, SRa3, SRA3, Ra4, B4 (JIS), B5 (JIS), B6 (JIS), Oficio, 8K, 16k, Postcard, Dpostcard (JIS), Envelope B5, Envelop C5, Envelope C6, Envelope DL; Tray 2: A4, A4R, A5, Ra4,B4 (JIS), B5 (JIS), Oficio, 16k; Tray 3: A3, A4, A4R, A5, Ra3, Ra4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k **ADF:** Oficio; Executive; Statement; Ledger; A3; A4; A4R; A5; A6; B4; B5; B6; 16K; Dpostcard (JIS)					
Media handling	**Standard input:** 100-sheet multi-purpose tray, 2 x 520-sheet input tray, 250 sheet ADF **Standard output:** 500 sheet face-down output bin **Optional input:** Optional 2000 sheet tray **ADF:** Standard, 250 sheets					
Media weight	Tray 1: 60 to 175 g/m²; Tray 2, 3: 60 to 220 g/m² **ADF:** Simplex: 42 to 220 g/m²; Duplex: 60 to 220 g/m²					

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Input capacity	**Tray 1:** Sheets: 100; Envelopes: 40 **Tray 2:** Sheets: 520 **Tray 3:** Sheets: 520 **Maximum:** Up to 3,140 sheets **ADF:** Standard, 250 sheets					
Output capacity	**Standard:** Up to 500 sheets Envelopes: Up to 40 envelopes **Maximum:** Up to 3,250 sheets					
Compatible operating systems	Android, Boss (3.0, 5.0) http://hplipopensource.com/hplip-web/index.html, Debian (6.0.x, 7.x), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Linux OS (In-OS HPLIP), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, SUSE Linux (12.2, 12.3, 13.1), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), 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.)					
Compatible network operating systems	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 32/64-bit; Citrix XenApp 6.0/6.5, (for Windows Server 2008 R2 Terminal Services, 32/64-bit); Citrix XenApp 6.0/6.5/7.5, (for Windows Server 2008 R2 SP1 Terminal Services, 32/64-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, 32/64-bit); Citrix XenDesktop 5.6/7.0/7.5 , (for Windows Server 2008 R2 SP1 Terminal Services, 32/64-bit); Citrix XenDesktop 7.0/7.5 , (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit); NetWare 6.5/SP8 Novell 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)					
Minimum system requirements	**Windows:** 200 MB available hard disk space, CD-ROM or DVD drive, or Internet connection, dedicated USB or network connection or Wireless connection, OS hardware requirements see www.microsoft.com; **Mac:** 1 GB available hard disk drive space; Internet; See www.Apple.com; USB					
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to http://www.123.HP.com or OS App Source for printer software), Online user manuals					
Security management	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					
Printer management	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					

Dimensions and Weight

Printer dimensions (W x D x H)	**Minimum:** 566 x 724.3 x 879 mm; **Maximum:** 1194 x 1270 x 775 mm			**Minimum:** 585 x 775.9 x 927.5 mm; **Maximum:** 1194 x 1270 x 775 mm		
Package dimensions (W x D x H)	783 x 656 x 989 mm			831 x 685 x 1038 mm		
Printer Weight	89.55 kg					
Package weight	104 kg			117 kg		
Operating environment	**Temperature:** 15 to 30ºC, **Humidity:** 20 to 80% RH					
Storage	**Temperature:** –10 to 40ºC, **Humidity:** 10 to 80% RH					
Acoustics	**Acoustic power emissions:** 6.3 B(A), printing colour simplex A4 at 22 ppm, **Acoustic pressure emissions:** 48 dB(A), printing colour simplex A4 at 22 ppm	**Acoustic power emissions:** 6.4 B(A), printing colour simplex A4 at 25 ppm, **Acoustic pressure emissions:** 48 dB(A), printing colour simplex A4 at 25 ppm	**Acoustic power emissions:** 6.6 B(A), printing colour simplex A4 at 30 ppm, **Acoustic pressure emissions:** 51 dB(A), printing colour simplex A4 at 30 ppm	**Acoustic power emissions:** 6.4 B(A), printing colour simplex A4 at 22 ppm, **Acoustic pressure emissions:** 49 dB(A), printing colour simplex A4 at 22 ppm	**Acoustic power emissions:** 6.5 B(A), printing colour simplex A4 at 25 ppm, **Acoustic pressure emissions:** 49 dB(A), printing colour simplex A4 at 25 ppm	**Acoustic power emissions:** 6.7 B(A), printing colour simplex A4 at 30 ppm, **Acoustic pressure emissions:** 51 dB(A), printing colour simplex A4 at 30 ppm
Power[6]	**Requirements:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power supply type:** Internal (Built-in) power supply					
Certifications	CISPR 22:2008 (International) - Class A, CISPR 32:2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU, Issue 6 Class A, Other EMC approvals as required by individual countries					
What's in the box[7]	Engine; TCU; Drums; Assy-Colour WG nameplate and label; Power cords; Assembly-CD; Hardware install and setup documentation; Support flyers (DOES NOT INLCLUDE TONER)					
Warranty	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.					

Footnotes

[1] 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.
[2] 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.
[3] 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.
[4] 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.
[5] Feature available only on the Z bundles.

Technical specifications disclaimers

[1] 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.
[2] 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.
[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[4] 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 34V and 6 sec/page for 17V
[5] Optional Wireless Direct and Wireless
[6] 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.
[7] No, please purchase USB cable separately (Service Technician must install units)