

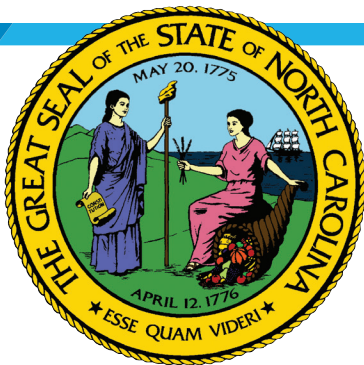
# SYSTEMEL<sup>®</sup>

## BUSINESS EQUIPMENT

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## State of North Carolina Term Contract 204D

Contract Number: ITS#400096

Contract Period: February 01, 2017 - January 31, 2020  
with 2 one year renewals

**Hewlett Packard**

High Capacity Printer / Multifunction Device Equipment  
Purchase, Lease, Supplies & Maintenance



Atlanta | Charlotte | Raleigh | Greensboro | Fayetteville | Hickory | Asheville | Greenville | Wilmington

# HP A3, A4 and PageWide Printing Devices

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# HP LaserJet Pro M203dw Printer

Get more pages, performance, and protection from a wireless HP LaserJet Pro powered by JetIntelligence Toner cartridges. Set a faster pace for your business: Print two-sided documents right away, and easily manage to help maximize efficiency.



**Print Speed:** Up to 30 ppm  
**Print Resolution:** Black (best): Up to 1200 x 1200 dpi  
**Print Technology Resolution:** HP FastRes 1200, HP ProRes 1200  
**Standard Connectivity:** 1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network; Wireless  
**Standard Memory:** 256 MB  
**Mobile Printing Capability:** HP ePrint; Wi-Fi Directprinting; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0  
**Paper Handling:** 250-sheet input tray, 10-sheet priority tray; 150-sheet output tray  
**Display:** LED

## Fast printing, low energy use

- Print at the pace of business—this printer is equipped with fast two-sided printing.
- Grab the documents you need and go. Print first pages in as fast as 7 seconds.<sup>5</sup>
- Help save energy with HP Auto-On/Auto-Off Technology.<sup>6</sup>

## Mobile printing made simple

- Print from iPhone® and iPad® with AirPrint®, which automatically scales jobs to the correct paper size.<sup>2</sup>
- Print directly from your mobile device to your Wi-Fi Direct® printer—without accessing the company network.<sup>3</sup>
- Print with the ease of sending an email, right from a smartphone, tablet, or notebook, using HP ePrint.<sup>8</sup>
- Send jobs from your smartphone, tablet, or PC to any company printer, using Google Cloud Print™ 2.0.<sup>4</sup>

## Manage company-wide printing with confidence

- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>9</sup>
- Identify new devices and gain insight into printing with HP Web Jetadmin remote discovery and monitoring.<sup>9</sup>
- Employ policy-based, fleet-wide protection features, using optional HP JetAdvantage Security Manager.<sup>10</sup>

## HP quality—print after print

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Don't be fooled by alternatives that mimic Original HP. Help ensure you're getting the quality you paid for.
- Print over 2x more pages than standard cartridges, using optional Original HP high-yield toner cartridges.<sup>11</sup>
- Get more pages than ever before,<sup>1</sup> and track remaining pages to help ensure you get what you paid for.<sup>12</sup>



<sup>1</sup> Based on ISO/IEC 19752 cartridge yields for HP 30A Black Original LaserJet Toner Cartridges compared with HP 83A Black Original LaserJet Toner Cartridges, and HP 30X High Yield Black Original LaserJet Toner Cartridges compared with HP 83X High Yield Black Original LaserJet Toner Cartridges. Learn more at <http://www.hp.com/go/learnaboutsupplies>  
<sup>2</sup> Mobile device must have iOS v.7.0 or higher. Learn more at <http://www.hp.com/go/mobileprinting>  
<sup>3</sup> Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see <http://www.hp.com/go/mobileprinting>. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®.  
<sup>4</sup> Requires Google Cloud Print™ registration and Google account. Learn more at <http://www.hp.com/go/mobileprinting>  
<sup>5</sup> Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Learn more at <http://www.hp.com/go/printerclaims>  
<sup>6</sup> HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.  
<sup>7</sup> App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>  
<sup>8</sup> Printer requires ePrint account registration. App or software may be required. Learn more at <http://www.hp.com/go/mobileprinting>  
<sup>9</sup> Not all HP Web Jetadmin features are supported on the HP LaserJet Pro M203. HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin>.  
<sup>10</sup> Based on HP internal research on competitor offerings (Device Security Comparison 1/2015) and Solutions Report on HP JetAdvantage Security Manager 2.1 from Buyers Lab, 2/2015. Requires separate purchase. For details, see <http://www.hp.com/go/securitymanager>  
<sup>11</sup> Comparison based on ISO 24711 cartridge yields for HP 30X High Yield Black Original LaserJet Toner Cartridges compared with HP 30A Black Original LaserJet Toner Cartridges. Learn more at <http://www.hp.com/go/learnaboutsupplies>.  
<sup>12</sup> As compared with cartridge gauges for HP predecessor products.

## HP LaserJet Pro M203dw Printer Specifications Table

<b>Print Speed</b>	<b>Letter:</b> Up to 30 ppm black; <sup>10</sup> <b>First Page Out:</b> As fast as 6.6 sec black; <sup>12</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi
<b>Print Technology</b>	Laser
<b>Print Resolution Technologies</b>	HP FastRes 1200, HP ProRes 1200
<b>Print Cartridges Number</b>	1 Black
<b>Standard Print languages</b>	PCL5c; PCL6; PS; PCLm; PDF; URF; PWG
<b>Printer Smart Software Features</b>	AirPrint 1.5 with media presence sensor, Instant-on Technology, HP Auto-On/Auto-Off Technology, JetIntelligence cartridges, Mopria-certified, Wi-Fi Directprinting, Duplex Printing
<b>Printer Management</b>	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network; Wireless
<b>Network Capabilities</b>	10/100 Ethernet
<b>Network Ready</b>	Standard (built-in Ethernet, Wi-Fi 802.11b/g/n)
<b>Wireless Capability</b>	Yes, built-in Wi-Fi 802.11b/g/n
<b>Mobile Printing Capability</b>	HP ePrint; Wi-Fi Directprinting; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0 <sup>9</sup>
<b>Memory</b>	<b>Standard:</b> 256 MB; <b>Maximum:</b> 256 MB
<b>Processor Speed</b>	800 MHz / <b>Hard disk:</b> None
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 30,000 pages <sup>13</sup>
<b>Recommended Monthly Page Volume</b>	250 to 2,500 <sup>14</sup>
<b>Media Types Supported</b>	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards
<b>Media Weight Supported</b>	16 to 43 lb
<b>Media Sizes Supported</b>	Letter; legal; executive; 8.5 x 13 in; envelopes
<b>Media Sizes Custom</b>	3 x 5 to 8.5 x 14 in
<b>Paper Handling</b>	250-sheet input tray, 10-sheet priority tray, 150-sheet output tray; <b>Duplex Options:</b> Automatic (standard); <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 1 main tray plus 10 sheet priority; <b>Input Capacities:</b> Up to 260 sheets; <b>Output Capacities:</b> Up to 150 sheets; Up to 10
<b>What's in the box</b>	<b>G3047A</b> HP LaserJet Pro M203dw Printer; HP Black LaserJet Toner Starter Cartridge of ~1000 page yield; HP LaserJet Imaging Drum ~23,000 pages; HIG, Setup Poster, Support flyer; Warranty Guide, flyer, Errata in some countries; Printer documentation and software on CD-ROM; Software drivers and documentation on CD-ROMs; CDs containing software and electronic documentation; Power cord; USB cable <sup>1</sup>
<b>Replacement Cartridges</b>	HP 30A Original Black LaserJet Toner Cartridge CF230A (~1600 pages); HP 30X Original Black LaserJet Toner Cartridge CF230X (~3500 pages); HP 32A Original LaserJet Imaging Drum CF232A (~23000 pages) <sup>8</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 14.6 x 16 x 8.8 in <sup>2</sup> ; <b>Maximum:</b> 14.6 x 24.6 x 14.2 in
<b>Product Weight</b>	15.2 lb <sup>3</sup>
<b>Warranty Features</b>	One year limited warranty
<b>Energy Efficiency Compliance</b>	ENERGY STARcertified; Blue Angel; EPEAT (Silver)
<b>Control Panel</b>	Button LED/4 light-emitting diode (LED) indicator lights (Wireless, Ready, Attention, toner); 3 buttons (Resume, Cancel, Wireless)
<b>Display Description</b>	LED
<b>Software Included</b>	For Windows OS: HP Software Installer, HP Software Uninstaller (exclude Win8+), HP PCL6 Printer Driver, HP Device Experience (DXP), HP Web Services Assist (HP Connected), Device Setup & Software, HP Printer Assistant, HP Product Improvement Study, Online user manuals; For Mac OS: Welcome Screen, (Directs users to HP.com or OS App Source for LaserJet Software)
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts
<b>Compatible Operating Systems</b>	Windows 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista: (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows XP SP3 or higher (32-bit only): any IntelPentiumIII, Celeron 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; AppleOS X El Capitan (v10.11), Yosemite (v10.10), Mavericks (v10.9); 1 GB HD; Internet required; USB; Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ); Unix (For more information, see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> ) <sup>16</sup>

<b>Compatible Network Operating Systems</b>	Windows 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista: (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows XP SP3 or higher (32-bit only): any IntelPentiumIII, Celeron 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; AppleOS X El Capitan (v10.11), Yosemite (v10.10), Mavericks (v10.9); 1 GB HD; Internet required; USB; Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ); Unix (For more information, see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> )
<b>Minimum System Requirements</b>	<b>PC:</b> Windows 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista: (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows XP SP3 or higher (32-bit only): any IntelPentiumIII, Celeron 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; <b>MAC:</b> AppleOS X El Capitan (v10.11), Yosemite (v10.10), Mavericks (v10.9); 1 GB HD; Internet required; USB
<b>Power</b>	<b>Power Supply Type:</b> Internal; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 5.4 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz, 3.1 A; <b>Power Consumption:</b> 480 watts (active printing), 1.9 watts (ready), 0.5 watts (sleep), 0.8 watts (Auto Off/Wake on USB, enabled at shipment), 0.05 watts (Auto-off/Manual-on), 0.05 watts (Manual Off) <sup>5</sup>
<b>Acoustics</b>	<b>Acoustic Power Emissions (active):</b> 6.6 B(A); <b>Acoustic Power Emissions (ready):</b> 2.6 B(A); <b>Acoustic Pressure Emissions (active):</b> 53 d B(A); <b>Acoustic Pressure Emissions (ready):</b> 16 d B(A)
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 90.5°F; <b>Recommended Operating Temperature:</b> 63.5 to 77°F; <b>Storage Temperature Range:</b> -4 to 140°F; <b>Non-Operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Security Management</b>	Password-protected network embedded Web server; enable/disable Network ports; SNMPv1 community password change
<b>HP Service and Support Options</b>	UQ220E - HP 2 Year Care Pack Business Priority Support with Next Business Day Exchange; UQ221E - HP 3 Year Care Pack Business Priority Support with Next Business Day Exchange; UQ222E - HP 4 Year Care Pack Business Priority Support with Next Business Day Exchange; U6M41E - HP 2 Year Care Pack Business Priority Support with Onsite Exchange; U6M42E - HP 3 Year Care Pack Business Priority Support with Onsite Exchange; U6M43E - HP 4 Year Care Pack Business Priority Support with Onsite Exchange

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

<sup>1</sup> HP Introductory Black LaserJet Toner Cartridge (~1000 pages), HP Original LaserJet Imaging Drum (~23,000 pages). Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>2</sup> Without trays and covers not extended <sup>3</sup> With print cartridges <sup>4</sup> Wi-Fi direct is only available on M203dw bundle <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. Power consumption values typically based on measurement of 115 V device. <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. Energy Star value typically based on measurement of 115 V device. <sup>7</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>8</sup> Declared yield value in accordance with ISO/IEC 19752 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> HP ePrint Printer requires ePrint account registration. App or software may be required. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Apple AirPrint Mobile device must have AirPrint 1.5. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Google Cloud Print™ 2.0 Requires Google Cloud Print™ registration and Google account. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>10</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>11</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>12</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>13</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>14</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>15</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit <http://www.hp.com/go/SureSupply>.





# HP LaserJet Pro MFP M428-M429 f series



The HP LaserJet Pro MFP M428-focus your time growing your business and staying ahead.

Winning in business means working smarter. The HP LaserJet Pro MFP M428 is designed to let you focus your time where it's most effective growing your business and staying ahead of the competition.



HP LaserJet Pro MFP M428fdn



HP LaserJet Pro MFP M428fdw

#### Built to keep you—and your business—moving forward

- Scan files directly to Microsoft® SharePoint, Google Drive, Dropbox, email, USB, and network folders.<sup>1</sup>
- Help save time by automating all the steps in a complicated workflow via a 1 button shortcut.<sup>2</sup>
- Print wirelessly even without the network, stay connected with dual band Wi-Fi and Wi-Fi direct.<sup>3,4,5</sup>
- Print effortlessly from any device, virtually anywhere, to any HP printer—securely through the cloud.<sup>6</sup>

#### Best-in-class security- detect and stop attacks<sup>7</sup>

- A suite of embedded security features help protect your MFP from being an entry point for attacks.<sup>7</sup>
- Help ensure the security of confidential information with optional PIN/Pull printing to retrieve print jobs<sup>8</sup>
- Thwart potential attacks and take immediate action with instant notification of security issues.
- Optional HP JetAdvantage Security Manager lets simply and efficiently secure your fleet of printers

#### Simply designed to uncomplicate your day

- Set up this MFP fast, and easily manage device settings to help increase overall printing efficiency.
- Tackle tasks quickly and easily—with the simple intuitive 2.7" (6.8cm) color touchscreen.
- Print Microsoft office docs and pdfs right off your USB drive.<sup>9</sup>
- Avoid interruptions with an HP LaserJet MFP designed to be streamlined for maximum productivity.

#### Sustainability is smart business

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.<sup>10</sup>
- Saves up to 22% over prior products.<sup>11</sup>
- Help save energy with HP Auto-on/Auto-off technology.<sup>13</sup>

<sup>1</sup> Some scan apps may require 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>2</sup> Connect printer/MFP to the network and complete customization through the Embedded Web Server. <sup>3</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://hp.com/go/mobileprinting>. <sup>4</sup> Feature only supported on the HP LaserJet Pro MFP M428fdw and M428fdw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections <sup>5</sup> Feature is supported on the HP LaserJet Pro MFP M428fdw and M428fdw only. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://hp.com/go/businessmobileprinting> <sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription or accessory may be required. For more information, visit <http://hp.com/go/roam> <sup>7</sup> Based on HP review of 2019 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>8</sup> Pin printing enabled via USB installed in rear of device. <sup>9</sup> Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported. <sup>10</sup> All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers. <sup>11</sup> Based on HP Internal testing using normalized TEC Value, 2019. <sup>12</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions. <sup>13</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

## Product walkaround

1. Dual-band Wi-Fi with Bluetooth® Low Energy<sup>1,2</sup> for easy wireless printing and setup
2. 2.7-inch (6.9 cm) customizable color touchscreen control panel (tilts up for easier viewing)
3. Easy-access USB port<sup>3</sup>
4. 100-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
5. Rear door (access to the print path)
6. Hi-Speed USB 2.0 port, USB port for job storage and PIN printing,<sup>4</sup> Gigabit Ethernet LAN port, fax port
7. 50-sheet automatic document feeder (ADF) with single-pass, two-sided scanning
8. Flatbed scanner handles media sizes up to 8.5 x 14 inches (216 x 356 mm)
9. 150-sheet output bin
10. Front door release button
11. Front door (access to HP EcoSmart black toner cartridges)
12. Automatic two-sided printing
13. 250-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)



## Series at a glance



Front view



Close-up of I/O ports

Model	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
<b>Product number</b>	W1A29A	W1A30A
<b>Functions</b>	Print, copy, scan, fax (both models)	Print, copy, scan, fax (both models)
<b>Print speed (letter/A4)<sup>5</sup></b>	Up to 40/38 pages per minute (ppm) (both models)	Up to 40/38 pages per minute (ppm) (both models)
<b>Scan speed (letter/A4)<sup>6</sup></b>	Simplex: Up to 31/29 ppm (black); up to 21/20 ppm (color) Duplex: Up to 49/46 images per minute (ipm) (black); up to 36/34 ipm (color)	Simplex: Up to 31/29 ppm (black); up to 21/20 ppm (color) Duplex: Up to 49/46 images per minute (ipm) (black); up to 36/34 ipm (color)
<b>Scanning</b>	50-sheet ADF with single-pass, two sided scanning (both models)	50-sheet ADF with single-pass, two sided scanning (both models)
<b>Automatic two-sided printing</b>	√	√
<b>Control panel display</b>	2.7-inch (6.9 cm) color touchscreen (both models)	2.7-inch (6.9 cm) color touchscreen (both models)
<b>100-sheet multipurpose tray 1, 250-sheet tray 2</b>	√	√
<b>550-sheet tray 3</b>	Optional	Optional
<b>Input capacity (standard/maximum<sup>7</sup>)</b>	Up to 350/900 sheets (both models)	Up to 350/900 sheets (both models)
<b>Recommended monthly page volume<sup>8</sup></b>	Up to 4,000 pages (both models)	Up to 4,000 pages (both models)
<b>Cartridge yields<sup>9</sup> (A/X)</b>	Black: ~3,000/10,000 pages (both models)	Black: ~3,000/10,000 pages (both models)
<b>Dual-band Wi-Fi with Bluetooth Low Energy<sup>1,2</sup></b>	Not available	Not available
<b>Networking</b>	Built-in 10/100/1000Base-TX Ethernet; Dualband Wireless; 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio	Built-in 10/100/1000Base-TX Ethernet; Dualband Wireless; 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio
<b>Mobile Printing</b>	Apple AirPrint™; Mopria™ Certified; Google Cloud Print™; HP ePrint	Apple AirPrint™; Mopria™ Certified; Google Cloud Print™; HP ePrint; Wi-Fi® Direct Printing

<sup>1</sup> Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi is a registered trademark of Wi-Fi Alliance®. <sup>2</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>3</sup> An administrator must enable the easy-access USB port before use. <sup>4</sup> Requires purchase of separate USB flash drive with at least 16 GB capacity. <sup>5</sup> Measured using ISO/IEC 24734, 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>6</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. <sup>7</sup> Selection of optional 550-sheet tray 3 required to reach maximum input capacity. <sup>8</sup> Recommended Monthly Page Volume (RMPV): 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> Actual yields vary considerably based on images printed and other factors. For details visit [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). Pages may vary based on customer printing conditions and usage.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)

## Top features

Today's businesses are always on, and always connected. Choose an MFP that can keep up with how you actually work, collaborate, and get things done.

HP Print Security isn't just about securing printers. It's about helping to secure your network with real-time threat detection, automated monitoring, and software validation—designed to detect and stop an attack as it happens.<sup>7</sup>

You have enough to worry about each day. It's easy to accomplish what you need—and exceed your own expectations—with a streamlined MFP that's made for simple use.

Business is all about resource management, and finding efficiencies is everyone's responsibility. HP LaserJet MFPs are designed with the environment in mind, so you can handle what you need while conserving energy wherever possible

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### Accessories

D9P29A HP LaserJet Pro 550-sheet Feeder Tray  
P0R81AA HP v222w 16GB Mini USB Drive

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### Supplies

CF258A HP 58A Black Original LaserJet Toner Cartridge  
CF258X HP 58X High Yield Black Original LaserJet Toner Cartridge

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### Services

#### HP LaserJet Pro MFP M428fdn

UB9R7E - HP 3y NBD LJ Pro MFP M428 M429 M329 SVC  
 UB9R8E - HP 4y NBD LJ Pro MFP M428 M429 M329 SVC  
 UB9R9E - HP 5y NBD LJ Pro MFP M428 M429 M329 SVC  
 UCOR2E - HP 3y4h9x5 LJ Pro MFP M428 M429 M329 SVC  
 UCOR3E - HP 4y4h9x5 LJ Pro MFP M428 M429 M329 SVC  
 UCOR4E - HP 5y4h9x5 LJ Pro MFP M428 M429 M329 SVC  
 UB9S0E - HP 3y NBDExchg LJ ProMFP M428M429M329 SVC  
 UB9S1E - HP 3y RTD LJ Pro MFP M428 M429 M329 SVC  
 UB9S2PE - HP 1yPWNBD LJ Pro MFP M428 M429 M329 SVC  
 UB9S3PE - HP 2yPWNBD LJ Pro MFP M428 M429 M329 SVC  
 UCOR5PE - HP 1yPW4h9x5 LJProMFP M428 M429 M329 SVC  
 UB9S4PE - HP 1yPWNBDExchg LJProMFP M428M429M329 SVC  
 UB9S5PE - HP 1yPWRTD LJ Pro MFP M428 M429 M329 SVC

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<sup>1</sup> Some scan apps may require 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>2</sup> Connect printer/MFP to the network and complete customization through the Embedded Web Server. <sup>3</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://hp.com/go/mobileprinting>. <sup>4</sup> Feature only supported on the HP LaserJet Pro MFP M428dw and M428fdw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections <sup>5</sup> Feature is supported on the HP LaserJet Pro MFP M428dw and M428fdw only. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://hp.com/go/businessmobileprinting> <sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription or accessory may be required. For more information, visit <http://hp.com/go/roam> <sup>7</sup> Based on HP review of 2019 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>8</sup> Pin printing enabled via USB installed in rear of device. <sup>9</sup> Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported. <sup>10</sup> All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers. <sup>11</sup> Based on HP Internal testing using normalized TEC Value, 2019. <sup>12</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions. <sup>13</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

# HP LaserJet Pro MFP M428-M429 f series

Technical Specifications	HP LaserJet Pro MFP M428fdn (W1A29A)	HP LaserJet Pro MFP M428fdw (W1A30A)
<b>AIO functions</b>	Print, Copy, Scan, Fax, Email	
<b>Print speed</b>	<b>A4:</b> Up to 38 ppm; <b>Letter:</b> Up to 40 ppm black <sup>8</sup> <b>First Page Out Black:</b> As fast as 6.3 sec; <sup>10</sup>	<b>A4:</b> Up to 38 ppm; <b>Letter:</b> Up to 40 ppm black <sup>8</sup> <b>First Page Out Black:</b> As fast as 6.3 sec; <sup>10</sup>
<b>Print resolution</b>	<b>Black (best):</b> Fine Lines (1200 x 1200 dpi); <b>Black (normal):</b> Normal (native 600 x 600 dpi; enhanced up to 4800 x 600 dpi); <b>Black (fine lines):</b> Fine Lines (1200 x 1200 dpi)	
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> HP FastRes 1200, HP ProRes1200, Economode	
<b>Print Cartridges Number</b>	1 (black)	
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster	
<b>Printer Smart Software Features</b>	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, ROAM capable for easy printing, HP ePrint, and HP Auto-On/Auto-Off Technology, Intuitive 2.7" touchscreen control panel, Scan/Print from Cloud using apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation	
<b>Printer Management</b>	HP Printer Assistant, HP Utility (Mac), HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	
<b>Scan Type / Technology</b>	<b>Type:</b> Flatbed, ADF; <b>Technology:</b> Contact Image Sensor (CIS)	
<b>Scan Resolution</b>	<b>Hardware:</b> Flatbed (Up to 1200 x 1200 dpi); ADF (Up to 300 x 300 dpi); <b>Optical:</b> Up to 1200 x 1200 dpi	
<b>Scan File Format</b>	PDF, JPG, TIFF	
<b>Scan Input Modes</b>	Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA	
<b>Scan Size</b>	<b>ADF:</b> 216 x 356 mm; 8.5 x 14 in Maximum; 102 x 152 mm; 4 x 6 in Minimum; <b>Flatbed:</b> 216 x 297 mm; Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color)	
<b>Scan Speed</b>	Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color) <sup>14</sup> <b>Duplex:</b> Up to 46 ipm (b&w), up to 34 ipm (color)	
<b>Scanner Advanced Features</b>	Single-pass 2-sided scanning ADF; Scan to cloud (Google Drive and DropBox) Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets	
<b>Native Scan File Format</b>	PDF; JPG	
<b>Software Scan File Format</b>	Windows HP Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, BMP, PNG, TIFF. Mac HP Easy Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF;	
<b>Bit depth / Grayscale levels</b>	24-bit/ 256	
<b>Digital Sending Standard Features</b>	Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets	
<b>Copy Resolution</b>	<b>Black (text and Graphics):</b> 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>	ID Copy; Number of copies; Resize (including 2-Up); Lighter/Darker; Enhancements; Original Size; Binding Margin; Collation; Tray Selection; Two-Sided; Quality (Draft/Normal/Best); Save Current Settings; Restore Factory Defaults	
<b>Fax Speed</b>	Up to: 33.6 kbps <sup>15</sup>	
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (halftone enabled); <b>Black (standard):</b> 203 x 98 dpi	
<b>Fax Smart Software Features</b>	Permanent fax memory backup; Auto fax reduction; Auto redialing; Delayed sending; Fax forwarding; TAM interface; Junk barrier; Distinctive ring detection; Cover page; Block fax; Billing codes; Save and load; Fax activity reports; Dial prefix setting; Print fax log; HP Digital Fax	
<b>Fax Features</b>	<b>Fax Memory:</b> Up to 400 pages; <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> Yes (receive only); <b>Fax Telephone Mode Supported:</b> Yes; <b>Junk Barrier Supported:</b> Yes, CSID matching only (Caller ID not supported); <b>Maximum Speed Dialing Numbers:</b> Up to 120 numbers; <b>PC Interface Supported:</b> Yes, only for sending	
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet LAN 10/100/1000BASE-T network	
<b>Network Capabilities</b>	Built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X	
<b>Mobile Printing Capability</b>	HP Smart App; Apple AirPrint™; Google Cloud Print™; HP ePrint; Mobile Apps; Mopria™ Certified; Roam capable for easy printing <sup>5</sup>	
<b>Memory</b>	<b>Standard:</b> 512 MB; <b>Maximum:</b> 512 MB	
<b>Processor Speed</b>	1200 MHz / <b>Hard disk:</b> No	
<b>Duty Cycle</b>	<b>Monthly, A4:</b> Up to 80,000 pages <sup>11</sup> <b>Recommended Monthly Page Volume:</b> 750 to 4000 <sup>12</sup>	
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF); Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets) standard; Up to 10 envelopes labels legal <b>Output Capacities:</b> 150-sheet output bin; Up to 150 sheets standard labels legal <b>Duplex Options:</b> Automatic (default) <b>Auto Document Feeder Capacity:</b> Standard, 50 sheets <b>Envelope Feeder:</b> No <b>Standard Paper Trays: 2 Media Types Supported:</b> Paper (plain, EcoEFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels; <b>Media Weight Supported:</b> Tray 1: 16 to 46.6 lb; tray 2, optional 550-sheet tray 3: 16 to 32 lb <b>Media Sizes Supported:</b> Tray 1: Letter; Legal; Executive; Oficio (8.5 x 13 in); 16K; Japanese Postcard; Double Japan Postcard Rotated; Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; Custom Size; 4 x 6 in; 5 x 8 in; Statement; Tray 2 & Tray 3: Letter; Legal; Executive; Oficio (8.5 x 13 in); Custom Size; 5 x 8 in; Statement <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in, Tray 2, 3: 4.13 x 5.85 to 8.5 x 14 in	

# HP LaserJet Pro MFP M428-M429 f series

Technical Specifications	HP LaserJet Pro MFP M428fdn (W1A29A)	HP LaserJet Pro MFP M428fdw (W1A30A)
<b>Product Dimensions</b>	<b>W x D x H:</b> 16.54 x 15.35 x 12.72 in; 420 x 390 x 323 mm <sup>1</sup> <b>Maximum:</b> 16.93 x 25 x 12.8 in; 430 x 634 x 325 mm	
<b>Product Weight</b>	27.78 lb 12.6 kg	
<b>What's in the box</b>	HP LaserJet Pro M428; Preinstalled HP Black LaserJet Toner Cartridge (58A for AMS, yield ~3,000 pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; Phone cord. HP printer software is available at <a href="http://www.hp.com/support">http://www.hp.com/support</a> <sup>17</sup>	
<b>Warranty Features</b>	One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or 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. (wty code 4E; wty ID A033)	
<b>Energy Star Certified</b>	Yes	
<b>Energy Efficiency Compliance</b>	CECP; ENERGY STAR® qualified; EPEAT® Silver	
<b>Control Panel</b>	2.7" Color Touchscreen	
<b>Display Description</b>	2.7" (6.86 cm) intuitive color touchscreen (CGD)	
<b>Software Included</b>	No software solutions are included in the Box, Download software at <a href="http://123.hp.com/laserjet">http://123.hp.com/laserjet</a> or <a href="http://hp.com">http://hp.com</a>	
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts	
<b>Compatible Operating Systems</b>	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>	
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Upto Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/upd">http://hp.com/go/upd</a>	
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">http://microsoft.com</a> ; <b>MAC:</b> 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see <a href="http://apple.com">apple.com</a> ;	
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz) (Not dual voltage, product varies by part number with # Option code identifier); <b>Power Consumption:</b> 510 watts (active printing), 7.5 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Wake on LAN, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off) <sup>2</sup> ; <b>Typical Electricity Consumption (TEC) number:</b> ES: 1.247 kWh/week	
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 Bel(A) (Printing at 38 ppm); <b>Acoustic Pressure Emissions:</b> 53 dB(A) <sup>7</sup>	<b>Acoustic Power Emissions:</b> 6.7 Bel(A) (Printing at 38 ppm); <b>Acoustic Pressure Emissions:</b> 53 dB(A) <sup>7</sup>
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 10 to 32.5°C; <b>Recommended Operating Temperature:</b> 15 to 27°C; <b>Storage Temperature Range:</b> -20 to 40°C; <b>Operating Humidity Range:</b> 10 to 80% RH (non-condensing); <b>Recommended Humidity Operating Range:</b> 30 to 70% RH	
<b>Security Management</b>	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; LDAP authentication and authorization; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager	

<sup>1</sup> Without trays and covers not extended. <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 values typically based on measurement of 115 V device. <sup>3</sup> Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region. <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> <sup>5</sup> Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://hp.com/go/roam> <sup>6</sup> First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity. <sup>7</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Configuration tested: base model, simplex printing, A4 paper at an average of 38 ppm. <sup>8</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>9</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>10</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>11</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>12</sup> HP recommends that the number of pages per month of imaged output 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>13</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <http://www.hp.com/go/SureSupply>; only available with Original HP supplies; Internet access required. <sup>14</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)

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# HP LaserJet Pro M404-M405 series



The HP LaserJet Pro M404 printer—focus your time where it's most effective—growing your business

Winning in business means working smarter. The HP LaserJet Pro M404 printer is designed to let you focus your time where it's most effective—helping to grow your business and staying ahead of the competition.

**Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.**  
<http://www.hp.com/go/learnaboutsupplies>



HP LaserJet Pro M404dn



HP LaserJet Pro M404dw



HP LaserJet Pro M404n

## Built to keep you—and your business—moving forward

- Help decrease the amount of paper used in the office by printing on both sides of the page.<sup>12</sup>
- Grab pages and go—without waiting. This device wakes up and prints fast.<sup>1</sup>
- Print wirelessly even without the network; stay connected with dual band Wi-Fi and Wi-Fi direct.<sup>2,3,4</sup>
- Print effortlessly from any device, virtually anywhere, to any HP printer—securely through the cloud.<sup>5</sup>

## Best -in-class security—detect and stop attacks<sup>6</sup>

- A suite of embedded security features help protect your printer from being an entry point for attacks.<sup>6</sup>
- Help secure confidential information with optional PIN/Pull printing to retrieve print jobs.<sup>7</sup>
- Optional HP JetAdvantage Security Manager lets you set configuration
- Thwart potential attacks and take immediate action with instant notification of security issues.<sup>10</sup>

## Simply designed to uncomplicate your day

- Set up this printer fast and easily manage device settings to help increase overall printing efficiency.
- Make the most of your office space with a printer that conveniently fits into your workstyle.
- Get connected and start printing fast with seamless Wi-Fi setup from your smartphone.
- Work without delays or messes, with cartridges featuring auto seal removal.

## Sustainability is smart business

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges.
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.<sup>8</sup>
- Saves up to 18% energy over prior products.<sup>9</sup>
- Help save energy with HP Auto-on/Auto-off technology.<sup>11</sup>

<sup>1</sup> Measured using ISO/IEC 24734 and 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>2</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting> <sup>3</sup> Feature is only supported on the HP LaserJet Pro M404dw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections <sup>4</sup> Feature is supported on the HP LaserJet Pro M404dw only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://www.hp.com/go/businessmobileprinting> <sup>5</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription or accessory may be required. For more information, visit <http://www.hp.com/go/roam> <sup>6</sup> Based on HP review of 2019 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>7</sup> Pin printing enabled via USB installed in rear of device. <sup>8</sup> Dependent upon country setup specifications. <sup>9</sup> Based on HP Internal testing using normalized TEC Value, 2019. <sup>10</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions. <sup>11</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. <sup>12</sup> 2 sided printing not supported on the M404n



## Product walkaround

1. Dual-band Wi-Fi with Bluetooth® Low Energy<sup>1</sup> for easy wireless printing and setup
2. 100-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
3. Hi-Speed USB 2.0 port, USB port for job storage and PIN printing<sup>2</sup>, Gigabit Ethernet LAN port
4. Rear door (access to the print path)
5. 2-line LCD control panel
6. 150-sheet output bin
7. Front door release button
8. Front door (access to HP EcoSmart black toner cartridges)
9. Automatic two-sided printing<sup>4</sup>
10. 250-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)



Front view

## Series at a glance



Model	HP LaserJet Pro M404dn	HP LaserJet Pro M404dw	HP LaserJet Pro M404n
<b>Product number</b>	W1A53A	W1A56A	W1A52A
<b>Print speed (letter/A4)<sup>4</sup></b>	Up to 40/38 pages per minute (ppm) <b>2-sided:</b> Up to 33/31 ppm	Up to 40/38 pages per minute (ppm) <b>2-sided:</b> Up to 33/31 ppm	Up to 40/38 pages per minute (ppm) (all models)
<b>Two-sided printing</b>	Automatic	Automatic	Manual
<b>Control panel display</b>	2-line LCD (all models)	2-line LCD (all models)	2-line LCD (all models)
<b>100-sheet multipurpose tray 1, 250-sheet tray 2</b>	✓	✓	✓
<b>Optional 550-sheet tray 3</b>	Add up to one (all models)	Add up to one (all models)	Add up to one (all models)
<b>Input capacity (standard/maximum<sup>5</sup>)</b>	Up to 350/900 sheets (all models)	Up to 350/900 sheets (all models)	Up to 350/900 sheets (all models)
<b>Recommended monthly page volume<sup>6</sup></b>	Up to 4,000 pages (all models)	Up to 4,000 pages (all models)	Up to 4,000 pages (all models)
<b>Cartridge yields <sup>7</sup>(A/X)</b>	Black: ~3,000/10,000 pages (all models)	Black: ~3,000/10,000 pages (all models)	Black: ~3,000/10,000 pages (all models)
<b>Dual-band Wi-Fi with Bluetooth Low Energy<sup>1</sup></b>	Not available	✓	Not available
<b>Networking</b>	Built-in 10/100/1000 Base Tx Ethernet	Built-in 10/100/1000 Base Tx Ethernet; Dualband Wi-Fi 802.11 b/g/n (2.4/5 GHz)	Built-in 10/100/1000 Base Tx Ethernet
<b>Mobile Printing</b>	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; ROAM capable for easy printing	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; ROAM capable for easy printing; Wi-Fi® Direct printing	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; ROAM capable for easy printing

<sup>1</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations only. Wi-Fi is a registered trademark of Wi-Fi Alliance®. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) <sup>2</sup> Requires purchase of separate USB flash drive with at least 16 GB capacity. <sup>3</sup> Automatic two-sided printing is not available on the HP LaserJet Pro M404n model. <sup>4</sup> Measured using ISO/IEC 24734, 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>5</sup> Selection of optional 550-sheet tray 3 required to reach maximum input capacity. <sup>6</sup> Recommended Monthly Page Volume (RMPV); 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> Actual yields vary considerably based on images printed and other factors. For details visit [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) Pages may vary based on customer printing conditions and usage. Optional high-yield cartridges are not included in printer purchase and must be purchased separately.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)

## Top features

Today's businesses are always on, and always connected. Choose a printer that can keep up with how you actually work, collaborate, and get things done

HP Print Security isn't just about securing printers. It's about helping to secure your network with real-time threat detection, automated monitoring, and software validation—designed to detect and stop an attack as it happens.<sup>6</sup>

You have enough to worry about each day. It's easy to accomplish what you need—and exceed your own expectations—with a streamlined printer that's made for simple use.

Business is all about resource management, and finding efficiencies is everyone's responsibility. HP LaserJet printers are designed with the environment in mind, so you can handle what you need while conserving energy wherever possible.

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### Accessories

D9P29A HP LaserJet 550-sheet Feeder Tray  
P0R81AA HP v222w 16GB Mini USB Drive

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### Supplies

CF258A HP 58A Black LaserJet Toner Cartridge (~3,000 pages)  
CF258X HP 58X Black LaserJet Toner Cartridge (~10,000 pages)

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### Services

UB9T8E HP 3 year Next Business Day Service for LaserJet Pro M404  
UB9U1E HP 3 year Next Business Day Exchange Service for LaserJet Pro M404  
UB9U3PE HP 1 year Post Warranty Next Business Day Service for LaserJet Pro M404

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<sup>1</sup> Measured using ISO/IEC 24734 and 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>2</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting> <sup>3</sup> Feature is only supported on the HP LaserJet Pro M404dw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>4</sup> Feature is supported on the HP LaserJet Pro M404dw only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://www.hp.com/go/businessmobileprinting> <sup>5</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription or accessory may be required. For more information, visit <http://www.hp.com/go/roam> <sup>6</sup> Based on HP review of 2019 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>7</sup> Pin printing enabled via USB installed in rear of device. <sup>8</sup> Dependent upon country setup specifications. <sup>9</sup> Based on HP internal testing using normalized TEC Value, 2019. <sup>10</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions. <sup>11</sup> HP Auto-On/Off Technology capabilities subject to printer and settings; may require a firmware upgrade. <sup>12</sup> 2-sided printing not supported on the M404

# HP LaserJet Pro M404-M405 series

Technical Specifications	HP LaserJet Pro M404dn(W1A53A)	HP LaserJet Pro M404dw(W1A56A)	HP LaserJet Pro M404n(W1A52A)
<b>Print speed</b>	<b>A4:</b> Up to 40 ppm black; <b>Letter:</b> Up to 40 ppm black; <b>AS:</b> Up to 63 ppm First Page Out Black; As fast as 6.3 sec. <sup>9</sup>	<b>A4:</b> Up to 38 ppm black; <b>Letter:</b> Up to 40 ppm black; <b>AS:</b> Up to 63 ppm First Page Out Black; As fast as 6.3 sec. <sup>9</sup>	<b>A4:</b> Up to 40 ppm black; <b>Letter:</b> Up to 40 ppm black; <b>AS:</b> Up to 63 ppm First Page Out Black; As fast as 6.3 sec. <sup>9</sup>
<b>Duplex Print speed</b>	<b>A4:</b> Up to 31 ppm black; <b>Letter:</b> Up to 33 ppm black		
<b>Print resolution</b>	<b>Black (best):</b> Fine Lines (1200 x 1200 dpi); <b>Black (normal):</b> Normal (Native: 600 x 600 dpi, enhanced up to 4800 x 600 dpi); <b>Black (fine lines):</b> Fine Lines (1200 x 1200 dpi)		
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> HP FastRes 1200, HP ProRes 1200, Economode		
<b>Print Cartridges Number</b>	1 (black)		
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, PWG Raster		
<b>Printer Smart Software Features</b>	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, HP ePrint, Room capable for easy printing, HP Auto-On/Off Technology, Job Storage with PIN printing, N-up printing, collation	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, Wi-Fi Direct printing, ROAM enabled for easy printing, HP ePrint, HP Auto-On/Off Technology, Job Storage with PIN printing, N-up printing, collation	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, HP ePrint, Room capable for easy printing, HP Auto-On/Off Technology, Job Storage with PIN printing, N-up printing, collation
<b>Printer Management</b>	HP Printer Assistant; HP Utility (Mac); HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)		
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network
<b>Network Capabilities</b>	Built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X		
<b>Wireless Capability</b>	No	Yes, built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy	No
<b>Mobile Printing Capability</b>	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; ROAM capable for easy printing <sup>5</sup>	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; ROAM capable for easy printing; Wi-Fi® Direct printing <sup>5</sup>	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; ROAM capable for easy printing <sup>5</sup>
<b>Memory</b>	<b>Standard:</b> 256 MB; <b>Maximum:</b> 256 MB		
<b>Processor Speed</b>	1200 MHz / <b>Hard disk:</b> None		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 80,000 pages <sup>10</sup> ; <b>Recommended Monthly Page Volume:</b> 750 to 4000 <sup>11</sup>		
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet multipurpose Tray 1, 250-sheet input Tray 2; Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets) standard labels legal; <b>Output Capacities:</b> 150-sheet output bin; Up to 150 sheets standard labels legal; <b>Duplex Options:</b> Automatic (default); <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, EcoFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels; <b>Media Weight Supported:</b> Tray 1: 16 to 46.6 lb; Tray 2 and Optional 550-sheet Tray 3: 16 to 32 lb; <b>Media Sizes Supported:</b> Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in); <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2, optional Tray 3: 3.94 x 5.83 to 8.5 x 14 in	<b>Input Capacities:</b> 100-sheet multipurpose Tray 1, 250-sheet input Tray 2; Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets) standard labels legal; <b>Output Capacities:</b> 150-sheet output bin; Up to 150 sheets standard labels legal; <b>Duplex Options:</b> Manual (driver support provided); <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, EcoFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels; <b>Media Weight Supported:</b> Tray 1: 16 to 46.6 lb; Tray 2 and Optional 550-sheet Tray 3: 16 to 32 lb; <b>Media Sizes Supported:</b> Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2, optional Tray 3: 3.94 x 5.83 to 8.5 x 14 in	<b>Input Capacities:</b> 100-sheet multipurpose Tray 1, 250-sheet input Tray 2; Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets) standard labels legal; <b>Output Capacities:</b> 150-sheet output bin; Up to 150 sheets standard labels legal; <b>Duplex Options:</b> Manual (driver support provided); <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, EcoFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels; <b>Media Weight Supported:</b> Tray 1: 16 to 46.6 lb; Tray 2 and Optional 550-sheet Tray 3: 16 to 32 lb; <b>Media Sizes Supported:</b> Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2, optional Tray 3: 3.94 x 5.83 to 8.5 x 14 in
<b>Product Dimensions</b>	<b>W x D x H:</b> 15 x 14.06 x 8.5 in; 381 x 357 x 216 mm <sup>1</sup> ; <b>Maximum:</b> 15 x 25 x 9.5 in; 381 x 634 x 241 mm		
<b>Product Weight</b>	18.87 lb/8.56 kg		
<b>What's in the box</b>	HP LaserJet Pro M404dn; Preinstalled HP Black LaserJet Toner Cartridge (59A for EMEA, 58A for AP, yield ~3,000 pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; USB cable (AP Only) <sup>14</sup>	HP LaserJet Pro M404dw; Preinstalled HP Black LaserJet Toner Cartridge (59A for EMEA, 58A for AP, yield ~3,000 pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; USB cable <sup>14</sup>	HP LaserJet Pro M404n; Preinstalled HP Black LaserJet Toner Cartridge (59A for EMEA, 58A for AP, yield ~1,500 pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; USB cable (AP Only) <sup>14</sup>
<b>Replacement Cartridges</b>	AMS: For distribution and use in North America and Latin America only: HP 58A Black LaserJet Toner Cartridge (~3,000 pages), CF258A; HP 58X Black LaserJet Toner Cartridge (~10,000 pages), CF258X; EMEA: For distribution and use in Europe, Middle East, Russia, CIS, and Africa only: HP 59A Black LaserJet Toner Cartridge (~3,000 pages), CF259A; HP 59X Black LaserJet Toner Cartridge (~10,000 pages), CF259X; AP: For distribution and use only in Asia Pacific - excluding China (PRC) and India: HP 76A Black LaserJet Toner Cartridge (~3,000 pages), CF276A; HP 76X Black LaserJet Toner Cartridge (~10,000 pages), CF276X <sup>3</sup>		
<b>Warranty Features</b>	One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or 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. (wty code 4E; wty ID A033)		
<b>Energy Star Certified</b>	Yes		
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Silver; CECP		
<b>Control Panel</b>	2-line LCD; OK button; Left button; Right button; Cancel button; Back button; Ready LED; Error LED	2-line LCD; OK button; Left button; Right button; Cancel button; Back button; Wireless button; Ready LED; Error LED; Wi-Fi LED	2-line LCD; OK button; Left button; Right button; Cancel button; Back button; Ready LED; Error LED
<b>Display Description</b>	2-line backlit LCD graphic display		
<b>Software Included</b>	No software solutions are included in the Box, Download software at <a href="http://123.hp.com/laserjet">http://123.hp.com/laserjet</a> or <a href="http://hp.com">http://hp.com</a>		
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts		
<b>Compatible Operating Systems</b>	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>		
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix XenApp & XenDesktop 7.6, Novell iPrint Server, Citrix Ready Kit Certification - Upto Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/upd">http://hp.com/go/upd</a>		
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see <a href="http://apple.com">apple.com</a>		
<b>Power</b>	<b>Power Supply Type:</b> Internal (built-in) Power Supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz) (Not dual voltage, product varies by part number with # Option code identifier); <b>Power Consumption:</b> 495 watts (active printing), 5.5 watts (ready), 0.5 watts (sleep), 0.5 watts (Auto Off/Wake on LAN, enabled at shipment), 0.05 watts (Auto-off/Manual-on), 0.05 (Manual Off) <sup>2</sup> ; <b>Typical electricity consumption (TEC) number:</b> 1.10 kWh/Week (Blue Angel); 0.371 kWh/Week (Energy Star 3.0) <sup>15</sup>	<b>Power Supply Type:</b> Internal (built-in) Power Supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz) (Not dual voltage, product varies by part number with # Option code identifier); <b>Power Consumption:</b> 495 watts (active printing), 5.5 watts (ready), 0.5 watts (sleep), 0.5 watts (Auto Off/Wake on LAN, enabled at shipment), 0.05 watts (Auto-off/Manual-on), 0.05 (Manual Off) <sup>2</sup>	
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.7 B(A); <b>Acoustic Pressure Emissions:</b> 54 dB(A) <sup>6</sup>		<b>Acoustic Power Emissions:</b> 6.7 B(A); <b>Acoustic Pressure Emissions:</b> 53 dB(A) <sup>6</sup>
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 15 to 32.5°C; <b>Recommended Operating Temperature:</b> 17.5 to 25°C; <b>Storage Temperature Range:</b> -20 to 40°C; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH		
<b>Security Management</b>	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, 802.1x authentication (EAP-TLS, and PEAP), authentication via WEP, WPA/WPA2 Personal, WPA2-enterprise; encryption via AES or TKIP; Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager, IPPS	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager

1 Without trays and covers not extended 2 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. 3 Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region. 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> 5 Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. For more information, visit [hp.com/go/room](http://hp.com/go/room) 6 Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Configuration tested: base model, simplex printing, A4 paper at an average of 40 ppm. 7 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. 8 Measured using ISO 124734 Feature Test, AS Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. 9 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. 10 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. 11 HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period 12 HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <http://www.hp.com/go/SureSupply>; only available with Original HP supplies; Internet access required.

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



# HP LaserJet Enterprise MFP M527 series



**Finish tasks faster<sup>1</sup> and help protect against threats with multi-level device security.<sup>10</sup>**

Finish tasks faster with an MFP that starts right away and helps conserve energy.<sup>1</sup> Multi-level device security helps protect from threats.<sup>10</sup> Original HP Toner cartridges with JetIntelligence and this printer produce more high-quality pages.<sup>2</sup>



**HP LaserJet Enterprise MFP M527dn**

#### Accelerate your work and use less energy

- Don't wait for documents. Print your first page in as few as 8.7 seconds from energy-efficient sleep mode.
- Speed through jobs. Print and scan both sides of the page at once.
- This MFP leads its class in low energy use—thanks to its innovative design and toner technology.<sup>3</sup>
- Now 24% smaller—this MFP fits in tight places to boost performance in any workspace.<sup>9</sup>

#### Unparalleled fleet security and management

- Embedded features detect security threats and heal your MFP, protecting it from boot up to shutdown<sup>10</sup>.
- Protect sensitive data on the MFP and in transit, using embedded security features and 256-bit encryption.<sup>10</sup>
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.<sup>11</sup>
- Centralize control of your printing environment with HP Web Jetadmin<sup>12</sup>—and help build business efficiency.

#### More. Pages, Performance, and Protection.

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Get more. Original HP Toner with JetIntelligence delivers more pages per cartridge than predecessors.<sup>2</sup>
- Help ensure the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Print right away with a preinstalled toner cartridge. Replace it with an optional high-yield cartridge.<sup>13</sup>



**HP LaserJet Enterprise MFP M527f**

#### Stay connected with secure mobile printing options

- Enable 128-bit encrypted wireless direct printing from mobile devices—without accessing the network.<sup>4</sup>
- Print with just a touch of your NFC-enabled mobile device to this printer—no network needed.<sup>6</sup>
- Easily print from a variety of smartphones and tablets—generally no setup or apps required.<sup>7</sup>
- Easily access, print, and share resources with Ethernet and optional wireless networking.<sup>5</sup>



**HP LaserJet Enterprise Flow MFP M527c**



**HP LaserJet Enterprise Flow MFP M527z**

<sup>1</sup> Based on HP internal testing of top three leading competitors' first page out from sleep mode and duplex print and copy speed completed 8/2015. Subject to device settings. Actual results may vary. For details, see [hp.com/go/Ljclaims](http://hp.com/go/Ljclaims) <sup>2</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 55X High Yield Black Original LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges. For more information, see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>3</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) versus the top three leading competitors as of 8/2015. Actual results may vary. For details see [hp.com/go/Ljclaims](http://hp.com/go/Ljclaims) <sup>4</sup> Wireless direct printing is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting) <sup>5</sup> Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>6</sup> Touch-to-print capability is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting) <sup>7</sup> Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) <sup>8</sup> Purchase of optional paper trays required to reach maximum input capacity. <sup>9</sup> Compared with the HP LaserJet Enterprise MFP M525. <sup>10</sup> Only HP offers a combination of security features for integrity checking down to the BIOS with self-healing capabilities. Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printersthatprotect](http://hp.com/go/printersthatprotect) <sup>11</sup> Some solutions require download or additional purchase. Learn more at [hp.com/go/printingsolutions](http://hp.com/go/printingsolutions) <sup>12</sup> Universal device plug-in is offered with HP Web Jetadmin 10.3 SR4 and higher. HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin) <sup>13</sup> HP 87X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

## Product walkaround

1. 100-sheet automatic document feeder (ADF) with single-pass, two-sided scanning and HP EveryPage
2. Hardware Integration Pocket (HIP) for connecting accessory and third-party devices
3. Built-in wireless direct<sup>3</sup> and NFC touch-to-print<sup>4</sup>
4. Easy-access USB port to save and print files directly<sup>2</sup>
5. 250-sheet output tray
6. Top cover (access to Original HP Toner cartridges with JetIntelligence)
7. 100-sheet multipurpose tray
8. 550-sheet tray 2
9. Intuitive 8-inch (20.3 cm) touchscreen control panel
10. Pull-out keyboard for easy, accurate data entry
11. Convenience stapler
12. Convenient front on/off button
13. Built-in automatic duplexer
14. 800 MHz processor, 1.5 GB RAM<sup>5</sup>
15. HP High-Performance Secure Hard Disk
16. Slot for optional cable-type security lock
17. Fax port
18. HP Jetdirect Gigabit Ethernet print server
19. Hi-Speed USB 2.0 printing port
20. Hi-Speed USB 2.0 port (for connecting third party devices)
21. Rear door (access to the print path)



## Series at a glance



Model	HP LaserJet Enterprise MFP M527dn	HP LaserJet Enterprise MFP M527f	HP LaserJet Enterprise Flow MFP M527c	HP LaserJet Enterprise Flow MFP M527z
<b>Product number</b>	F2A76A	F2A77A	F2A81A	F2A78A
<b>Fax</b>	Optional	✓	✓	✓
<b>HP High-Performance Secure Hard Disk</b>	Optional	✓	✓	✓
<b>100-page ADF with single-pass, two sided scanning</b>	✓	✓	✓ (Plus HP EveryPage)	✓ (Plus HP EveryPage)
<b>Advanced workflow capabilities including pull-out keyboard</b>	Not available	Not available	✓	✓
<b>Wireless direct<sup>3</sup> and NFC touch to print<sup>4</sup></b>	Optional	Optional	Optional	✓
<b>ENERGY STAR<sup>®</sup> and Blue Angel certified</b>	✓	✓	✓	✓

<sup>1</sup>Solutions deployed through the Hardware Integration Pocket may require additional purchase. <sup>2</sup>An administrator must enable the easy-access USB port before use. <sup>3</sup>Wireless direct printing is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). <sup>4</sup>Touch-to-print capability is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). <sup>5</sup>Maximum memory can be expanded to 2 GB (System memory) by replacing standard memory module. 2 GB Memory DIMM Kit (B3G84-67909) can be purchased separately. Please visit [hp.com/buy/parts](http://hp.com/buy/parts) for purchase options.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

### Next Business Day with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

### Same Day – 4 hour 9x5 and 13x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



## Top features

Work quickly with the fastest first page out from sleep mode—on the most energy-efficient MFP in its class.<sup>13</sup> Launch two-sided printing, scan, and fax right from the touchscreen. Reload paper less often with a 2300-sheet maximum capacity.<sup>8</sup>

Trust your MFP is secure from power-up to power-down. Get strong protection for devices, data, and documents with embedded and optional security features while centrally managing your entire fleet.<sup>10</sup>

Bring out the best in your MFP. Print more high-quality pages than ever before,<sup>2</sup> using specially designed Original HP Toner cartridges with JetIntelligence. Count on the authentic HP quality you paid for—something the competition can't match.

Enable secure wireless printing in the office—with or without network access<sup>4</sup>—and keep users connected with Ethernet and optional wireless networking. Print with just a touch from mobile devices.<sup>5</sup>

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### Accessories

- F2A72A - HP LaserJet 500-sheet Paper Tray
- F2A73A - HP LaserJet Printer Cabinet
- E5K48A - HP 1GB DDR3x32 144-pin 800MHz SODIMM
- B5L29A - HP Secure High Performance Disk Drive<sup>11</sup>
- B5L53A - HP LaserJet MFP Analog Fax Accessory 600<sup>11</sup>
- F2A87A - HP Internal USB Ports for M506/M527
- J8031A - HP JetDirect 2900nw Print Server
- J8030A HP JetDirect 3000w NFC/Wireless Accessory<sup>12</sup>
- F5S62A - HP Trusted Platform Module Accessory
- CZ208A - HP Common Card Reader
- B5L31A - HP Foreign Interface Harness
- A7W12A - HP LaserJet Keyboard Overlay Kit for Simplified Chinese & Traditional Chinese<sup>13</sup>
- A7W14A - HP LaserJet Keyboard Overlay Kit Swedish<sup>13</sup>

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### Supplies

- CF287A - HP 87A LaserJet Toner Cartridge, black
- CF287X - HP 87X LaserJet Toner Cartridge, black
- Q7732A - HP Staple Cartridge Refill
- B5L52A - HP 200 ADF Roller Replacement Kit

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### Services

#### HP LaserJet Enterprise Flow MFP M527 series

- U8TT5E - HP 3 year Next Business Day + DMR LaserJet M527 MultiFunction Hardware Support
  - U8TT6E - HP 4 year Next Business Day + DMR LaserJet M527 MultiFunction Hardware Support
  - U8TT7E - HP 5 year Next Business Day + DMR LaserJet M527 MultiFunction Hardware Support
  - U8TT8E - HP 3 year 4 hour 9X5 + DMR LaserJet M527 MultiFunction Hardware Support
  - U2010E - HP Network Installation mid-range LaserJet Multifunction printer Service
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<sup>1</sup> Based on HP internal testing of top three leading competitors' first page out from sleep mode and duplex print and copy speed completed 8/2015. Subject to device settings. Actual results may vary. For details, see [hp.com/go/ljclaims](http://hp.com/go/ljclaims) <sup>2</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 55X High Yield Black Original LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges. For more information, see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>3</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) versus the top three leading competitors as of 8/2015. Actual results may vary. For details see [hp.com/go/ljclaims](http://hp.com/go/ljclaims) <sup>4</sup> Wireless direct printing is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting) <sup>5</sup> Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>8</sup> Purchase of optional paper trays required to reach maximum input capacity. <sup>10</sup> Some features require additional purchase. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity) <sup>11</sup> M527dn bundle only. <sup>12</sup> M527z bundle only. <sup>13</sup> M527c and M527z bundles only



# HP LaserJet Enterprise MFP M527 series

Technical Specifications	HP LaserJet Enterprise MFP M527dn(F2A76A)	HP LaserJet Enterprise MFP M527(F2A77A)	HP LaserJet Enterprise Flow MFP M527(F2A81A)	HP LaserJet Enterprise Flow MFP M527z(F2A78A)
<b>AIO functions</b>	Print, copy, scan; <b>AIO multitasking supported:</b> Yes		Print, copy, scan, fax; <b>AIO multitasking supported:</b> Yes	
<b>Print speed</b>	<b>Letter:</b> Up to 45 ppm black; <sup>15</sup> ; <b>First Page Out Black:</b> As fast as 5.7 sec.; As fast as 11.2 sec (100 V); <sup>17</sup>		<b>Letter:</b> Up to 45 ppm black; <sup>15</sup> ; <b>First Page Out Black:</b> As fast as 5.9 sec.; As fast as 11.3 sec (100 V); <sup>17</sup>	
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi			
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200			
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7)			
<b>Printer Smart Software Features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB			
<b>Printer Management</b>	UPD Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator); HP Web JetAdmin Software; HP Proxy Agent Software; HP JetAdvantage Security Manager			
<b>Scan Type / Technology</b>	<b>Type:</b> Flatbed, ADF (two-sided, single-pass); <b>Technology:</b> CIS (Contact Image Sensor)			
<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>	<b>M527c &amp; M527fz:</b> 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)			
<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 (OXF) applications			
<b>Scan Size</b>	<b>ADF:</b> 8.5 x 14 in Maximum; 4 x 6 in Minimum; <b>Flatbed:</b> 8.5 x 14 in			
<b>Scan Speed</b>	Up to 45 ppm/45 ipm (b&w), up to 40 ppm/40 ipm (color) <sup>18</sup> ; <b>Duplex:</b> Up to 45 ipm (color)		Up to 48 ppm/68 ipm (b&w), up to 48 ppm/60 ipm (color) <sup>18</sup> ; <b>Duplex:</b> Up to 68 ipm (b&w), up to 60 ipm (color)	
<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		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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	
<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 (M527c & M527z only); Send to FTP (M527c & M527z only); Send to LAN Fax(M527f, M527c & M527z only); Send to Internet Fax (M527f, M527c & M527z only); OCR (M527c & M527z only); Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale (M527c & M527z only); Auto Orientation (M527c & M527z only); Multi-Pick Detect (M527c & M527z only); Auto Straighten (M527c & M527z only); Auto Crop To Page (M527c & M527z only);			
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 45 cpm; <sup>18</sup>			
<b>Copy Resolution</b>	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi (flatbed), 600 x 450 dpi (ADF); <b>Color (text and Graphics):</b> Up to 600 x 600 dpi (flatbed), 300 x 600 dpi (ADF)			
<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; job build; edge-to-edge job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes)			
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>14</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 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; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>PC Interface Supported:</b> Yes; <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 Fax (M527f, M527c & M527z only), Wireless Direct 802.11 b/g/n (M527z only), NFC (M527z only).			
<b>Network Capabilities</b>	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, XMPR, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLIP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print			
<b>Network Ready</b>	Standard (built-in Gigabit Ethernet)			
<b>Wireless Capability</b>	Optional, enabled with purchase of HW accessories.	No	Yes, integrated NFC/HP Wireless Direct	
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria-certified <sup>12</sup> ; Wireless Direct Printing (M527z only); NFC touch-to-print <sup>13</sup> (M527z only)			
<b>Memory</b>	<b>Standard:</b> 1.25 GB (Printer), 500 MB (Scanner); <b>Maximum:</b> 2.0 GB (Printer), 500 MB (Scanner)			
<b>Processor Speed</b>	1.2 GHz	1.2 GHz Z; <b>Hard disk:</b> Standard, embedded HP High-Performance Secure Hard Disk, minimum 320 GB; AES 128 hardware encryption or greater; Secure erase capabilities (Secure Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk); U.S. Government: Standard, FIPS 140-2 validated hard disk, minimum 500 GB		
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 150,000 pages <sup>9</sup> ; <b>Recommended Monthly Page Volume:</b> 2000 to 7500			
<b>Paper Handling</b>	<b>Input Capacities:</b> 1 x 550-sheet input tray; 1 x 100-sheet multipurpose tray; 3 x optional additional 550-sheet input trays; Up to 650 sheets standard; Up to 10 envelopes labels legal; <b>Output Capacities:</b> 250-sheet output bin; Up to 250 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard) <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; <b>Media Weight Supported:</b> Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb; <b>Media Sizes Supported:</b> Tray 1: Letter, legal, executive, 4 x 6, 5 x 8, 8.5 x 13, envelopes (No. 10, Monarch); Tray 2: letter, legal, executive, 8.5 x 13; Optional trays 3+: letter, legal, executive, 8.5 x 13; Optional Automatic Duplexer: letter; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 4.1 x 5.8 to 8.5 x 14 in; optional 550-sheet input Tray 3+: 4.1 x 5.8 to 8.5 x 14 in			
<b>Product Dimensions</b>	<b>W x D x H:</b> 18.98 x 19.52 x 19.55 in; <b>Maximum:</b> 19.96 x 24.83 x 19.55 in			
<b>Product Weight</b>	48.2 lb <sup>1</sup>	48.5 lb <sup>1</sup>	48.6 lb <sup>1</sup>	49.1 lb <sup>1</sup>
<b>What's in the box</b>	HP LaserJet M527 Printer; HP 87A Black Original LaserJet Toner (~ 9000 pages); CDs containing software and electronic documentation; User Guide; Support Flyers; Warranty Cards; Required Erratas			
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements.			
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified; Blue Angel; CECP; EPEAT®			
<b>Control Panel</b>	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)		8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Integrated Keyboard	
<b>Display Description</b>	8.0" (20.3 cm) touchscreen, SVGA LCD (color graphics), smooth gesture enabled touchscreen			
<b>Software Included</b>	For Windows OS: HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Send Fax, HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), Online user manuals; For Mac OS: Welcome Screen. (Directs users to HP.com or OS App Store for LaserJet Software)			
<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 World Type); 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>	Go to <a href="http://hp.com/search">hp.com/search</a> for Hp LaserJet Enterprise MFP M527 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 LaserJet Enterprise MFP M527 Printer for all operating systems			
<b>Minimum System Requirements</b>	<b>PC:</b> Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.); Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.); Windows 7 all 32- & 64-bit editions; Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); CD-ROM or DVD drive, or Internet connection; Dedicated USB or network connection or Wireless connection; 200 MB available hard disk space; OS compatible hardware (For OS hardware requirements see <a href="http://www.microsoft.com">http://www.microsoft.com</a> ); <b>MAC:</b> Mac OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Internet; USB; 1 GB HD; OS compatible hardware (For OS hardware requirements see <a href="http://www.apple.com">http://www.apple.com</a> )			
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input Voltage: 100 to 127 VAC, 50/60 Hz, 7.5 A (+/- 10%); Input Voltage: 220 to 240 VAC, 50/60 Hz, 4.0 A (+/- 10%) (Not dual voltage, input voltage requirement and supplied power cord varies by part number and option code identifier); <b>Power Consumption:</b> 671 watts (Printing), 27.8 watts (Ready), 3.2 watts (Sleep), 0.71 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off) <sup>7</sup>			
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.8 B(A); <b>Acoustic Pressure Emissions:</b> 54 dB(A) <sup>7</sup>			
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 90.5°F; <b>Recommended Operating Temperature:</b> 63.5 to 77°F; <b>Storage Temperature Range:</b> -4 to 140°F; <b>Non-Operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% 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			

<sup>1</sup> Includes size A toner cartridge. <sup>2</sup> AirPrint™ and iOS 4.2 or later devices require an 802.11 wireless network connection to the printer. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint and the AirPrint Logo are trademarks of Apple® Inc. Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting)  
<sup>3</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 115 V device. <sup>4</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>5</sup> Declared yield value in accordance with ISO/IEC 19752 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>6</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit [hp.com/go/SureSupply](http://hp.com/go/SureSupply) <sup>7</sup> Acoustic values are subject to change. For current information see [hp.com/support](http://hp.com/support) <sup>8</sup> Maximum memory is with 1 GB DIMM installed. The maximum the FW can use is 2GB so 250 MB is unused in this configuration. <sup>9</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>10</sup> HP recommends that the number of scanned pages per month be within the stated range for optimum device performance. <sup>11</sup> Not all "Compatible Operating Systems" are supported with inbox software; Full solution software available only for Windows 7 and newer; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only; Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP printer driver built into the RT OS; UNIX modelscripts are available on HP.com (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software. <sup>12</sup> Measured using ISO/IEC 24734, 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.

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

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# HP Color LaserJet Pro M453-M454 series

HP Color LaserJet Pro M454 printer. Designed to let you focus on growing business, staying ahead.

Winning in business means working smarter. The HP Color LaserJet Pro M454 printer is designed to let you focus your time where it's most effective—helping to grow your business and staying ahead of the competition.

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.  
<http://www.hp.com/go/learnaboutsupplies>



HP Color LaserJet Pro M454dn



HP Color LaserJet Pro M454dw

## Built to keep you—and your business—moving forward.

- Help decrease the amount of paper used in the office by printing on both sides of the page.
- Grab pages and go—without waiting. This device wakes up and prints first page out fast.<sup>1</sup>
- Print wirelessly with or without accessing the network with dual band Wi-Fi and Wi-Fi direct.<sup>2,3,4</sup>
- ROAM compatible for easy printing from virtually anywhere<sup>5</sup>

## Best -in-class security<sup>6</sup>

- A suite of embedded security features help protect your printer from being an entry point for attacks.<sup>6</sup>
- Help secure confidential information with optional PIN/Pull printing to retrieve print jobs.<sup>7</sup>
- Optional HP JetAdvantage Security Manager lets you set configuration policies and validate settings.<sup>8</sup>
- Thwart potential attacks and take immediate action with instant notification of security issues.<sup>11</sup>

## Simply designed to uncomplicate your day

- Set up this printer fast and easily manage device settings to help increase overall printing efficiency.
- Make the most of your office space with a printer that conveniently fits into your work style.
- Work without delays or messes, with cartridges featuring auto seal removal.
- Tackle tasks quickly and easily—with the simple 2.7" (6.8cm) color touchscreen.

## Sustainability is smart business

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges.
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.<sup>9</sup>
- Saves up to 11% energy over prior products.<sup>10</sup>
- Help save energy with HP Auto-on/Auto-off technology.<sup>12</sup>

<sup>1</sup> Measured using ISO/IEC 24734 and 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. Letter: Black/Color-9.8/12.1, A4: Black/Color 9.9/12.4 sec.

<sup>2</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>

<sup>3</sup> Features is only supported by the HP LaserJet Pro M454nw and M454dw printers. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

<sup>4</sup> Feature is supported on the HP LaserJet Pro M454nw and M454dw printers only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://www.hp.com/go/businessmobileprinting>

<sup>5</sup> Feature is only available for the HP Color LaserJet Pro M452dw. Requires a wireless access point and an Internet connection to the printer. Services require registration. App availability varies by country, language, and agreements and requires a firmware upgrade. For details, visit [hpconnected.com](http://hpconnected.com)

<sup>6</sup> Based on HP review of 2019 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://www.hp.com/go/printersecurityclaims>

<sup>7</sup> Pin printing enabled via USB installed in rear of device.

<sup>8</sup> HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit <http://www.hp.com/go/securitymanager>

<sup>9</sup> All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers.

<sup>10</sup> Based on HP Internal testing using normalized TEC Value, 2019.

<sup>11</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions.

<sup>12</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

## Product walkaround

1. 150-sheet output bin
2. Easy-access USB port<sup>1</sup>
3. Front door release button
4. Front door access to HP JetIntelligence toner cartridges
5. Hi-Speed USB 2.0 printing port, USB port for job storage with PIN printing,<sup>2</sup> Gigabit Ethernet LAN port
6. 2.7-inch (6.9 cm) customizable color touchscreen<sup>3</sup>
7. 50-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
8. Dual-band Wi-Fi with Bluetooth® Low Energy<sup>4</sup> for easy wireless printing and setup
9. Automatic two-sided printing
10. 250-sheet tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)



## Series at a glance



Model	HP Color LaserJet Pro M454dn	HP Color LaserJet Pro M454dw
Model (product number)	M454dn (W1Y44A)	M454dw (W1Y45A)
Functions	Print	
Print speed (black and color) <sup>5</sup>	Up to 28/27 pages per minute (letter/A4)	
Two-sided printing	Automatic	
50-sheet multipurpose tray 1, 250-sheet tray 2	√	
Optional input accessory: 550-sheet paper tray	√	
Easy-access USB port <sup>1</sup>	Not available	√
Control panel <sup>3</sup>	2-line LCD	2.7-inch (6.9 cm) customizable color touchscreen
Input capacity (standard/maximum <sup>6</sup> )	Up to 300/850 sheets	
Recommended monthly page volume <sup>7</sup>	Up to 4,000 pages	
Cartridge yields <sup>8</sup> (A/X)	Black: ~2,400/7,500 pages; Color: ~2,100/6,000 pages	
Dual-band Wi-Fi with Bluetooth® Low Energy <sup>4</sup>	Not available	√

<sup>1</sup> An administrator must enable the easy-access USB port before use.

<sup>2</sup> Requires purchase of separate USB flash drive with at least 16 GB capacity.

<sup>3</sup> The color touchscreen is only available on the HP Color LaserJet Pro M454dw model. The M454dn model has a 2-line LCD display.

<sup>4</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations only. Wi-Fi is a registered trademark of Wi-Fi Alliance®. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).

<sup>5</sup> Measured using ISO/IEC 24734, 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>6</sup> Purchase of optional paper-handling accessories required to reach maximum input capacity.

<sup>7</sup> Recommended Monthly Page Volume (RMPV): 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> Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors. Optional high-yield cartridges are not included in printer purchase and must be purchased separately.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc):

## Top features

Today's businesses are always on, and always connected. Choose a printer that can keep up with how you actually work, collaborate, and get things done.

HP Print Security isn't just about securing printers. It's about helping to secure your network with real-time threat detection, automated monitoring, and software validation—designed to detect and stop an attack as it happens.<sup>6</sup>

You have enough to worry about each day. It's easy to accomplish what you need—and exceed your own expectations—with a streamlined printer that's simple to use.

Business is all about resource management, and finding efficiencies is everyone's responsibility. HP LaserJet printers are designed with the environment in mind, so you can handle what you need while conserving energy wherever possible.

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### Accessories

HP LaserJet 550-sheet Paper Feeder CF404A

HP v222w 16GB Mini USB Drive P0R81AA

### Supplies

HP 414A Black Original LaserJet Toner Cartridge (~2,400 pages) W2020A

HP 414A Cyan Original LaserJet Toner Cartridge (~2,100 pages) W2021A

HP 414A Yellow Original LaserJet Toner Cartridge (~2,100 pages) W2022A

HP 414A Magenta Original LaserJet Toner Cartridge (~2,100 pages) W2023A

HP 414x Black Original LaserJet Toner Cartridge (~7,500 pages) W2020x

HP 414x Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2021x

HP 414x Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2022x

HP 414x Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2023x

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### Services

**UB9U7E** - HP 3y NBD CLJ Pro M454 SVC

**UB9U8E** - HP 4y NBD CLJ Pro M454 SVC

**UB9U9E** - HP 5y NBD CLJ Pro M454 SVC

**UCOQ8E** - HP 3y 4h 9x5 CLJ Pro M454 SVC

**UCOQ9E** - HP 4y 4h 9x5 CLJ Pro M454 SVC

**UCOR0E** - HP 5y 4h 9x5 CLJ Pro M454 SVC

**UB9V0E** - HP 3y NBD Exchange CLJ Pro M454 SVC

**UB9V1E** - HP 3y Onsite Exchange CLJ Pro M454 SVC

**UB9V2E** - HP 3y Return to Depot CLJ Pro M454 SVC

**UB9V3PE** - HP 1y PW NBD CLJ Pro M454 SVC

**UCOR1PE** - HP 1y PW 4h 9x5 CLJ Pro M454 SVC

**UB9V4PE** - HP 1y PW NBD Exchange CLJ Pro M454 SVC

**UB9V5PE** - HP 1y PW Onsite Exch CLJ Pro M454 SVC

**UB9V6PE** - HP 1y PW Return to Dep CLJ Pro M454 SVC

**U9JT1E** - HP Inst SVC w/nw Personal Scanner & Prnt

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### Solutions

HP Web Jetadmin: [hp.com/go/wja](http://hp.com/go/wja)

HP Universal Print Driver: [hp.com/go/upd](http://hp.com/go/upd)

HP Imaging and Printing Security Center: [hp.com/go/ipsc](http://hp.com/go/ipsc)



<sup>1</sup> Measured using ISO/IEC 24734 and 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. Letter: Black/Color-9.8/12.1, A4: Black/Color 9.9/12.4 sec.

<sup>2</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>

<sup>3</sup> Features is only supported by the HP LaserJet Pro M454nw and M454dw printers. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

<sup>4</sup> Feature is supported on the HP LaserJet Pro M454nw and M454dw printers only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://www.hp.com/go/businessmobileprinting>

<sup>5</sup> Feature is only available for the HP Color LaserJet Pro M452dw. Requires a wireless access point and an Internet connection to the printer. Services require registration. App availability varies by country, language, and agreements and requires a firmware upgrade. For details, visit [hpconnected.com](http://hpconnected.com)

<sup>6</sup> Based on HP review of 2019 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://www.hp.com/go/PrintersThatProtect). For more information: <http://www.hp.com/go/printersecurityclaims>

<sup>7</sup> Pin printing enabled via USB installed in rear of device.

<sup>8</sup> HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit <http://www.hp.com/go/securitymanager>

<sup>9</sup> All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers.

<sup>10</sup> Based on HP Internal testing using normalized TEC Value, 2019.

<sup>11</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions.

<sup>12</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

## HP Color LaserJet Pro M453-M454 series

Model	HP Color LaserJet Pro M454dn	HP Color LaserJet Pro M454dw
Product number	W1Y44A	W1Y45A
AIO functions	Print	
<b>Print</b>		
Print speed <sup>1,2B</sup>	<b>Letter:</b> Up to 28 ppm Black; Up to 28 ppm Color; <b>2-sided:</b> Up to 25 ipm Black; Up to 25 ipm Color; <b>First page out:</b> As fast as 9.5 sec Black; As fast as 11.3 sec Color; <b>Print speed (Landscape, A5):</b> Up to 49 ppm Black; Up to 49 ppm Color	
Print resolution	<b>Black (best):</b> 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi; <b>Black (normal):</b> 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi; <b>Color (best):</b> 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi; <b>Color (normal):</b> 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi	
Print technology	Laser; <b>Print resolution technology:</b> HP ImageREt 3600, PANTONE® calibrated	
Print cartridges number	4 (1 each black, cyan, magenta, yellow)	
Standard print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, PWS Raster	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, Native Office, PWS Raster
Printer smart software features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, ROAM capable for easy printing, HP ePrint, HP Auto-On/Off Technology, Job Storage with PIN printing, N-up printing, collation	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, Wi-Fi Direct Printing, ROAM enabled for easy printing, HP ePrint, HP Auto-On/Off Technology, Bluetooth® Low-Energy, Job Storage with PIN printing, N-up printing, collation
Printer management	HP Printer Assistant; HP Utility (Mac); HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	
<b>Connectivity</b>		
Standard connectivity	1 Hi-Speed USB 2.0 port; 1 host USB at rear side; built-in Gigabit Ethernet 10/100/1000 Base-TX network port	1 Hi-Speed USB 2.0 port; 1 host USB at rear side; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; 1 Wireless 802.11b/g/n/2.4/5 Ghz Wi-Fi radio
Network capabilities	Yes, via built-in 10/100/1000Base-Tx Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1x	
Wireless capability		Yes, built-in dual-band Wi-Fi; Authentication via WEP/WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy
Mobile printing capability <sup>6</sup>	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App and other mobile Apps; Mopria™ Certified; ROAM capable for easy printing; Wi-Fi® Direct printing	
Memory	<b>Standard:</b> 256 MB NAND Flash, 512 MB DRAM; <b>Maximum:</b> 256 MB NAND Flash, 512 MB DRAM	<b>Standard:</b> 512 MB NAND Flash, 512 MB DRAM; <b>Maximum:</b> 512 MB NAND Flash, 512 MB DRAM
Processor speed	1200 MHz	
Duty cycle (monthly) <sup>9</sup>	<b>Letter:</b> Up to 50,000 pages; <b>Recommended monthly page volume</b> <sup>10</sup> : 750 to 4000	
<b>Paper handling</b>		
Input	50-sheet multipurpose tray, 250-sheet input tray; Up to 300 sheets Standard	
Output	150-sheet output bin; Up to 150 sheets Standard	
Duplex Options	Automatic (default)	
Envelope feeder	No	
Standard paper trays	2	
Media types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes	
Media weight	Tray 1: 16 to 47 lb bond (up to 52 lb with HP Color laser glossy photo papers); Tray 2: 16 to 43 lb bond (up to 47 lb with postcards, up to 52 lb with HP Color laser glossy photo papers); optional Tray 3: 16 to 43 lb bond (up to 47 lb with postcards, up to 40 lb with HP Color laser glossy photo papers); Automatic duplexer: 16 to 43 lb	
Media sizes	Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in)	
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2, optional Tray 3: 3.94 x 5.83 to 8.5 x 14 in	
Dimensions (w x d x h)	16.2 x 18.5 x 11.6 in; <b>Maximum:</b> 16.2 x 25.6 x 11.6 in	16.2 x 18.5 x 11.6 in; <b>Maximum:</b> 16.2 x 25.6 x 13.4 in
Weight	41.7 lb	
What's in the box <sup>1</sup>	HP Color LaserJet Pro M454dn; 4 preinstalled Introductory HP LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow, ~1200 pages); In-box documentation (Getting Started Guide, Install Poster), regulatory flyer; Internet connection is required to set up the printer. HP printer software is available at <a href="http://www.hp.com/support">http://www.hp.com/support</a> ; Power cord; USB cable (A only)	HP Color LaserJet Pro M454dw; 4 preinstalled Introductory HP LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow, ~1200 pages); In-box documentation (Getting Started Guide, Install Poster), regulatory flyer, warranty card (China, Mexico); Internet connection is required to set up the printer. HP printer software is available at <a href="http://www.hp.com/support">http://www.hp.com/support</a> ; Power cord; USB cable.
Warranty features	One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or 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. (wty code 4E; wty ID A033)	
Energy efficiency compliance	EPEAT® Silver; CECP; ENERGY STAR® qualified; Blue Angel RAL-UZ 205	
Control panel	2-line backlit LCD graphic display; 5 buttons (Cancel, Select, Reverse, Right/Left arrows); LED indicator lights (Attention, Ready)	2.7 inch intuitive color touchscreen; 3 Buttons (Home, Help, Back)
Display	2-line backlit LCD graphic display	2.7-in intuitive color touchscreen
Software included	No software solutions are included in the box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com/laserjet">http://123.hp.com/laserjet</a>	
Fonts and typefaces	84 scalable TrueType fonts	
Compatible operating systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver. For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems. For more information on the supported operating systems see <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>	
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix xenApp & xenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/linuxmodelscripts">http://hp.com/go/linuxmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/upd">http://hp.com/go/upd</a>	
Minimum system requirements	PC: 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com; Mac: 2 GB available hard drive space, Internet connection or USB port. OS hardware requirements see apple.com	
Power <sup>3</sup>	<b>Power supply type:</b> Internal (built-in) <b>Power Supply; Power supply required:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power consumption</b> <sup>2</sup> : 550 watts (active printing), 17 watts (ready), 0.9 watts (sleep), 0.9 watts (HP auto-off/auto-on), 0.07 watts (auto-off/manual-on), 0.07 watts (off); <b>Typical electricity consumption (TEC) number:</b> 1.144 kWh/Week (Energy Star), 1.046 kWh/Week (Blue Angel)	
Acoustics	<b>Acoustic power emissions:</b> 6.2 B(A)	
Operating environment	<b>Operating temperature range:</b> 59 to 86°F; <b>Recommended operating temperature:</b> 59 to 80.6°F; <b>Storage temperature range:</b> -4 to 104°F; <b>Operating humidity range:</b> 10 to 80% RH (non-condensing); <b>Recommended operating humidity range:</b> 20 to 70% RH (non-condensing)	
Security management	Secure Boot; Secure Firmware Integrity; Runtime Code Integrity; password protected EWS; secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features; unused protocol and service disablement; SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; control panel lock, certificates configuration; UPD PIN printing; Syslog, signed firmware; administrator settings; 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager	Secure Boot; Secure Firmware Integrity; Runtime Code Integrity; password protected EWS; secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features; unused protocol and service disablement; SNMPv1, SNMPv2, and SNMPv3; community password change; HP ePrint: HTTPS with certificate validation; HTTP Basic Access Authentication; SASL authentication; Firewall and ACL; control panel lock; certificates configuration; UPD PIN printing; Syslog, signed firmware; administrator settings; 802.1x authentication (EAP-TLS, and PEAP); authentication via WEP/WPA/WPA2 Personal; WPA2-enterprise; encryption via AES or TKIP; Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage; Compatible with optional HP JetAdvantage Security Manager; IPPS

<sup>1</sup> In box cartridges yield ~1,200 color composite (C/Y/M) and ~1,200 black pages 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/learnaboutsups>. Pages may vary based on customer printing conditions.

<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 values typically based on measurement of 115V device.

<sup>3</sup> BA TEC is equal to Best TEC. 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 115 V device.

<sup>4</sup> Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region.

<sup>5</sup> Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsups>

<sup>6</sup> Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit <http://hp.com/go/mobileprinting>. To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit [hp.com/go/roam](http://hp.com/go/roam)

<sup>7</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

<sup>8</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>9</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>10</sup> HP recommends that the number of pages per month of imaged output 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>11</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <http://www.hp.com/go/SureSupply>; only available with Original HP supplies; Internet access required.

<sup>12</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.

To learn more, visit [hp.com](http://hp.com)



# HP Color LaserJet Pro MFP M479 series



The HP Color LaserJet Pro MFP M479 – focus your time on growing business and staying ahead.

Winning in business means working smarter. The HP Color LaserJet Pro MFP M479 is designed to let you focus your time where it's most effective—growing your business and staying ahead of the competition.

**Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.**  
<http://www.hp.com/go/learnaboutsupplies>



HP Color LaserJet Pro MFP M479dw



HP Color LaserJet Pro MFP M479fdn



HP Color LaserJet Pro MFP M479fdw

#### Built to keep you—and your business—moving forward

- Scan files directly to Microsoft® SharePoint®, email, USB, and network folders.<sup>1</sup>
- Help save time by automating all the steps in a complicated workflow and apply saved settings.<sup>2</sup>
- Print wirelessly with or without the network, stay connected with dual band Wi-Fi and Wi-Fi direct.<sup>3,4,5</sup>
- Print effortlessly from any device, virtually anywhere, to any HP printer—securely through the cloud.<sup>6</sup>

#### Best-in-class security—detect and stop attacks<sup>7</sup>

- A suite of embedded security features help protect your MFP from being an entry point for attacks.<sup>7</sup>
- Thwart potential attacks and take immediate action with instant notification of possible security issues.<sup>12</sup>
- Help ensure security of confidential information with optional PIN/Pull printing to retrieve print jobs.<sup>8</sup>
- Optional HP JetAdvantage Security Manager lets you set configuration policies and validate settings

#### Simply designed to uncomplicate your day

- Set up this MFP fast, and easily manage device settings to help increase overall printing efficiency.
- Tackle tasks quickly and easily—with the simple 4.3" (10.9cm) color touchscreen.
- Print Microsoft® office formatted files in addition to PDFs right off your USB drive.<sup>9</sup>
- Avoid interruptions with an HP LaserJet MFP designed to be streamlined for maximum productivity.

#### Sustainability is smart business

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges.
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.<sup>10</sup>
- Saves up to 18% energy over prior products.<sup>11</sup>
- Help save energy with HP Auto-On/Auto-Off Technology.<sup>13</sup>

<sup>1</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>2</sup> Connect printer/MFP to the network and complete customization through the Embedded Web <sup>3</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting> <sup>4</sup> Feature is only supported by the HP Color LaserJet Pro MFP M479dw, M479fdw, and M479fnw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections <sup>5</sup> Feature is supported on the HP LaserJet Pro M479dw/M479fnw/M479fdw only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://www.hp.com/go/businessmobileprinting> <sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://www.hp.com/go/roam> <sup>7</sup> Based on HP review of 2019 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>8</sup> Pin printing enabled via USB installed in rear of device. <sup>9</sup> Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported. <sup>10</sup> Dependent upon country setup specifications. All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers <sup>11</sup> Based on HP Internal testing using normalized TEC Value, 2019. <sup>12</sup> Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions. <sup>13</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.



## Product walkaround

1. 4.3-inch (10.9 cm) customizable color touchscreen
2. Easy-access USB port<sup>1</sup>
3. Front door release button
4. Front door (access to HP JetIntelligence toner cartridges)
5. Hi-Speed USB 2.0 port, USB port for job storage and PIN printing,<sup>2</sup> Gigabit Ethernet LAN port, Fax port<sup>3</sup>
6. 50-sheet ADF with single-pass, two-sided scanning<sup>4</sup> supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
7. Flatbed scanner handles media sizes up to letter (A4)
8. 150-sheet output bin
9. Dual-band Wi-Fi with Bluetooth<sup>®</sup> Low Energy<sup>5</sup> for easy wireless printing and setup
10. 50-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
11. Automatic two-sided printing
12. 250-sheet tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)



Front view

## Series at a glance



Model	HP Color LaserJet Pro MFP M479dw	HP Color LaserJet Pro MFP M479fdn	HP Color LaserJet Pro MFP M479fdw
Functions	Print, scan, copy	Print, scan, copy, fax <sup>3</sup>	
Print speeds (black and color) <sup>6</sup>	Simplex: Up to 28/27 pages per minute (ppm) (letter/A4) (all models) Duplex: Up to 25/24 images per minute (ipm) (letter/A4) (all models)		
Scan speeds <sup>4,7</sup>	<b>Letter (Simplex):</b> 31/21 ppm (black/color) <b>A4 (Simplex):</b> 29/20 ppm (black/color)	<b>Letter Simplex:</b> Up to 31 ppm/49 ipm (b&w), up to 21 ppm/36 ipm (color) <b>Letter Duplex:</b> Up to 49 ipm (b&w), up to 36 ipm (color) <b>A4 Simplex:</b> Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color) <b>A4 Duplex:</b> Up to 46 ipm (b&w), up to 34 ipm (color)	
Scanning	50-sheet ADF with simplex scanning	50-sheet ADF with single-pass, two-sided scanning	
Two-sided printing	Automatic (Default)	Automatic (Default)	Automatic (Default)
50-sheet multipurpose tray 1, 250-sheet tray 2	√	√	√
Optional 550-sheet tray	Add up to one (all models)		
Input capacity (standard/maximum <sup>8</sup> )	Up to 300/850 sheets (all models)		
Control panel display	4.3-inch (10.9 cm) customizable color touchscreen (all models)		
RMPV <sup>9</sup>	Up to 4,000 pages (all models)		
Cartridge yields <sup>10</sup> (A/X)	Black: ~2,400/7,500 pages; Color: ~2,100/6,000 pages (all models)		
Dual-band Wi-Fi with Bluetooth <sup>®</sup> Low Energy <sup>5</sup>	√	Not available	√

<sup>1</sup> An administrator must enable the easy-access USB port before use. <sup>2</sup> Requires purchase of separate USB flash drive with at least 16 GB capacity. <sup>3</sup> Fax capability is not available on the HP Color LaserJet Pro MFP M479dw model. <sup>4</sup> Single pass, two-sided scanning is not available on the HP Color LaserJet Pro MFP M479dw model. The MFP M479dw offers simplex scanning capabilities. <sup>5</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations only. Wi-Fi is a registered trademark of Wi-Fi Alliance<sup>®</sup>. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>6</sup> Measured using ISO/IEC 24734 and 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>7</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. <sup>8</sup> Purchase of optional paper tray required to reach maximum input capacity. <sup>9</sup> Recommended Monthly Page Volume (RMPV): 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>10</sup> Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors. Optional high-yield cartridges are not included in printer purchase and must be purchased separately.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)

## Top features

Today's businesses are always on, and always connected. Choose an MFP that can keep up with how you actually work, collaborate, and get things done.

HP Print Security isn't just about securing printers. It's about helping to secure your network with real-time threat detection, automated monitoring, and software validation—designed to detect and stop an attack as it happens.<sup>7</sup>

You have enough to worry about each day. It's easy to accomplish what you need—and exceed your own expectations—with a streamlined MFP that's simple to use.

Business is all about resource management, and finding efficiencies is everyone's responsibility. HP LaserJet MFPs are designed with the environment in mind, so you can handle what you need while conserving energy wherever possible.

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### Accessories

CF404A HP LaserJet 550-sheet Feeder Tray  
 POR81AA HP v222w 16 GB Mini USB Drive

### Supplies

W2020A HP 414A Black LaserJet Toner Cartridge (~2,400 pages)  
 W2021A HP 414A Cyan LaserJet Toner Cartridge (~2,100 pages)  
 W2022A HP 414A Yellow LaserJet Toner Cartridge (~2,100 pages)  
 W2023A HP 414A Magenta LaserJet Toner Cartridge (~2,100 pages)  
 W2020X HP 414X Black LaserJet Toner Cartridge (~7,500 pages)  
 W2021X HP 414X Cyan LaserJet Toner Cartridge (~6,000 pages)  
 W2022X HP 414X Yellow LaserJet Toner Cartridge (~6,000 pages)  
 W2023X HP 414X Magenta LaserJet Toner Cartridge (~6,000 pages)

### Services

UB9S6E HP 3 year Next Business Day Service for Color LaserJet Pro MFP M479  
 UB9S9E HP 3 year 4 hour 9x5 Service for Color LaserJet Pro MFP M479  
 UB9T5PE HP 1 year Post Warranty Next Business Day Service for Color LaserJet Pro MFP M479

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<sup>1</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>2</sup> Connect printer/MFP to the network and complete customization through the Embedded Web <sup>3</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting> <sup>4</sup> Feature is only supported by the HP Color LaserJet Pro MFP M479dw, M479fdw, and M477fww. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections <sup>5</sup> Feature is supported on the HP LaserJet Pro M479dw/M479fww/M479fdw only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://www.hp.com/go/businessmobileprinting> <sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://www.hp.com/go/roam> <sup>7</sup> Based on HP review of 2019 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>8</sup> Additional solution such as HP Access Control or HP JetAdvantage Private Print is required to use optional proximity card reader. pin printing enabled via USB installed in rear of device. <sup>9</sup> Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported. <sup>10</sup> dependent upon country setup specifications. All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers <sup>11</sup> Based on HP Internal testing using normalized TEC Value, 2019.

# HP Color LaserJet Pro MFP M479 series

Technical Specifications	HP Color LaserJet Pro MFP M479dw(W1A77A)	HP Color LaserJet Pro MFP M479fdn(W1A79A)	HP Color LaserJet Pro MFP M479fdw(W1A80A)
AIO functions	Print, copy, scan, email	Print, copy, scan, fax, email	Print, copy, scan, fax, email
Print speed	<b>Simplex Letter:</b> Up to 28 ppm black; Up to 28 ppm color; <b>Simplex A4:</b> Up to 27 ppm black; Up to 27 ppm color <sup>1</sup> ; <b>Duplex Letter:</b> Up to 25 ipm black; Up to 25 ipm color; <b>Duplex A4:</b> Up to 24 ipm black; Up to 24 ipm color; <b>First Page Out (Ready):</b> As fast as 9.5 sec black; As fast as 11.1 sec color <sup>11</sup>		
Print resolution	<b>Black (best):</b> 600 x 600 dpi; Up to 38, 400 x 600 enhanced dpi; <b>Colour (best):</b> 600 x 600 dpi; Up to 38, 400 x 600 enhanced dpi		
Print Technology	Laser; <b>Print Resolution Technologies:</b> HP ImageREt 3600, PANTONE® calibrated		
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)		
Standard Print Languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster		
Printer Smart Software Features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, Wi-Fi Direct Printing, ROAM enabled for easy printing, HP ePrint, HP Auto-On/Auto-Off Technology, Bluetooth® Low-Energy, Intuitive 4.3" touchscreen control panel, Scan/print from Cloud using business apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, ROAM capable for easy printing, HP ePrint, HP Auto-On/Auto-Off Technology, Intuitive 4.3" touchscreen control panel, Scan/print from Cloud using business apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, Wi-Fi Direct Printing, ROAM enabled for easy printing, HP ePrint, HP Auto-On/Auto-Off Technology, Bluetooth® Low-Energy, Intuitive 4.3" touchscreen control panel, Scan/print from Cloud using business apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation
Printer Management	HP Printer Assistant; HP Utility (Mac); HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)		
Scan Type / Technology	<b>Type:</b> Flatbed, ADF; <b>Technology:</b> Contact Image Sensor (CIS)		
Scan Resolution	<b>Hardware:</b> Up to 1200 x 1200 dpi; <b>Optical:</b> Up to 1200 x 1200 dpi		
Scan File Format	PDF; JPG; TIFF		
Scan Input Modes	Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWIN or WIA		
Scan Size	<b>ADF:</b> 216 x 356 mm; 8.5 x 14 in Maximum; 102 x 152 mm; 4 x 6 in Minimum; <b>Flatbed:</b> 216 x 297 mm; Up to 29 ppm (b&w), up to 20 ppm (color)	<b>ADF:</b> 216 x 356 mm; 8.5 x 14 in Maximum; 102 x 152 mm; 4 x 6 in Minimum; <b>Flatbed:</b> 216 x 297 mm; Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color)	<b>ADF:</b> 216 x 356 mm; 8.5 x 14 in Maximum; 102 x 152 mm; 4 x 6 in Minimum; <b>Flatbed:</b> 216 x 297 mm; Up to 29 ppm/46 ipm (b&w), up to 20 ppm/35 ipm (color)
Scan Speed	Up to 29 ppm (b&w), up to 20 ppm (color) <sup>16</sup>	Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color) <sup>16</sup> ; <b>Duplex:</b> Up to 46 ipm (b&w), up to 34 ipm (color)	Up to 29 ppm/46 ipm (b&w), up to 20 ppm/35 ipm (color) <sup>16</sup> ; <b>Duplex:</b> Up to 46 ipm (b&w), up to 34 ipm (color)
Scanner Advanced Features	Scan to cloud (Google Drive and DropBox) Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Quick Sets PDF; JPG Windows HP Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, BMP, PNG, TIFF. Mac HP Easy Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF;	Single-pass 2-sided scanning ADF, Scan to cloud (Google Drive and DropBox) Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets PDF; JPG Windows HP Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, BMP, PNG, TIFF. Mac HP Easy Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF;	Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets
Bit depth / Grayscale levels	30-bit/ 256		
Digital Sending Standard Features	Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Quick Sets	Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets	
Copy Speed	<b>Simplex Letter:</b> Up to 28 cpm black; Up to 28 cpm color; <b>Simplex A4:</b> Up to 27 cpm black; Up to 27 cpm color <sup>2</sup> ; <b>Duplex Letter:</b> Up to 25 ipm black; Up to 25 ipm color; <b>Duplex A4:</b> Up to 24 ipm black; Up to 24 ipm color; <b>First Copy Out (Ready):</b> As fast as 9.8 sec black; As fast as 12.1 sec color		
Copy Resolution	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi; <b>Color (text and Graphics):</b> Up to 600 x 600 dpi		
Maximum Number of Copies	Up to 999 copies		
Copier Resize	25 to 400%		
Copier Settings	ID Copy; Number of copies; Resize (including 2-Up); Lighter/Darker; Enhancements; Original Size; Binding Margin; Collation; Tray Selection; Two-Sided; Quality (Draft/Normal/Best); Save Current Settings; Restore Factory Defaults		
Fax Speed	Up to: 33.6 kbps <sup>17</sup>		
Fax Resolution	<b>Black (best):</b> Up to 300 x 300 dpi (halftone enabled); <b>Black (standard):</b> 203 x 96 dpi		
Fax Smart Software Features	Permanent fax memory backup; Auto fax reduction; Auto redialing; Delayed sending; Fax forwarding; TAM interface; Junk barrier; Distinctive ring detection; Cover page; Block fax; Billing codes; Save and load; Fax activity reports; Dial prefix setting; Print fax log; HP Digital Fax		
Fax Features	<b>Fax Memory:</b> Up to 400 pages; <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> Yes (receive only); <b>Fax Telephone Mode Supported:</b> Yes; <b>Junk Barrier Supported:</b> Yes, CSID matching only (Caller ID not supported); <b>Maximum Speed Dialing Numbers:</b> Up to 120 numbers; <b>PC Interface Supported:</b> Yes, only for sending		
Standard Connectivity	1 Hi-Speed USB 2.0 port; 1 host USB at rear side; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; 1 Wireless 802.11b/g/n/2.4/5 Ghz Wi-Fi radio	1 Hi-Speed USB 2.0 port; 1 host USB at rear side; built-in Gigabit Ethernet 10/100/1000 Base-TX network port	1 Hi-Speed USB 2.0 port; 1 host USB at rear side; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; 1 Wireless 802.11b/g/n/2.4/5 Ghz Wi-Fi radio
Network Capabilities	Yes, via built-in 10/100/1000Base-Tx Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1x		
Wireless Capability	Yes, built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy		Yes, built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy
Mobile Printing Capability	Apple AirPrint™; Mopria™-certified; ROAM enabled for easy printing; Wi-Fi Direct Printing; Google Cloud Print 2.0; HP ePrint; HP Smart app and other mobile apps. <sup>6</sup>	Apple AirPrint™; Mopria™-certified; ROAM capable for easy printing; Google Cloud Print 2.0; HP ePrint; HP Smart app and other mobile apps. <sup>6</sup>	Apple AirPrint™; Mopria™-certified; ROAM enabled for easy printing; Wi-Fi Direct Printing; Google Cloud Print 2.0; HP ePrint; HP Smart app and other mobile apps. <sup>6</sup>
Memory	<b>Standard:</b> 512 MB NAND Flash, 512 MB DRAM; <b>Maximum:</b> 512 MB NAND Flash, 512 MB DRAM		
Processor Speed	1200 MHz		
Duty Cycle	<b>Monthly:</b> Up to 50,000 pages <sup>12</sup> ; <b>Recommended Monthly Page Volume:</b> 750 to 4000 <sup>13</sup>		
Paper Handling	<b>Input Capabilities:</b> 50-sheet multipurpose tray, 250-sheet input tray, 50-sheet Automatic Document Feeder (ADF); Up to 300 sheets standard; Up to 15 envelopes labels legal; <b>Output Capabilities:</b> 150-sheet output bin; Up to 150 sheets standard labels legal; <b>Duplex Options:</b> Automatic (default); <b>Auto Document Feeder Capacity:</b> Standard, 50 sheets uncured; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes; <b>Media Weight Supported:</b> Tray 1: 16 to 47 lb bond (up to 52 lb with HP Color laser glossy photo papers); Tray 2: 16 to 43 lb bond (up to 47 lb with postcards, up to 52 lb with HP Color laser glossy photo papers); optional Tray 3: 16 to 43 lb bond (up to 47 lb with postcards, up to 40 lb with HP Color laser glossy photo papers); Automatic duplexer: 16 to 43 lb bond; <b>Media Sizes Supported:</b> Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in); <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2, optional Tray 3: 3.94 x 5.83 to 8.5 x 14 in		

# HP Color LaserJet Pro MFP M479 series

Technical Specifications	HP Color LaserJet Pro MFP M479dw(W1A77A)	HP Color LaserJet Pro MFP M479fdn(W1A79A)	HP Color LaserJet Pro MFP M479fdw(W1A80A)
<b>Product Dimensions</b>	<b>W x D x H:</b> 16.4 x 18.6 x 15.7 in; 416 x 472 x 400 mm <b>Maximum:</b> 16.8 x 25.7 x 16.3 in; 426 x 652 x 414 mm		
<b>Product Weight</b>	51.423.3 kg		51.623.4 kg
<b>What's in the box</b>	HP Color LaserJet Pro M479; 4 preinstalled HP LaserJet Toner cartridges (Black~2400 pages, Introductory-Cyan, Magenta, Yellow: ~1200 pages); In-box documentation (Getting Started Guide, Install Poster); warranty card (Where required); Internet connection is required to set up the printer. HP printer software is available at <a href="http://www.hp.com/support">http://www.hp.com/support</a> ; Power cord; USB cable <sup>2</sup>		
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or 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. (wty code 4G; wty ID A001)		
<b>Energy Efficiency Compliance</b>	ENERGY STAR <sup>®</sup> qualified; EPEAT <sup>®</sup> Silver; CEC; Blue Angel RAL-UZ 205		
<b>Control Panel</b>	4.3-in intuitive color touchscreen (CGD); 3 Buttons (Home, Help, Back)		
<b>Display Description</b>	4.3" intuitive touchscreen Color Graphic Display (CGD)		
<b>Software Included</b>	No software solutions are included in the Box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com/laserjet">http://123.hp.com/laserjet</a>		
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts		
<b>Compatible Operating Systems</b>	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple <sup>®</sup> macOS Sierra v10.12, Apple <sup>®</sup> macOS High Sierra v10.13, Apple <sup>®</sup> macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see <a href="http://www.hp.com/go/ud">www.hp.com/go/ud</a>		
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix xenApp & xenDesktop 7.6, Novell iPrint Server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/ud">http://hp.com/go/ud</a>		
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see <a href="http://apple.com">apple.com</a>		
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power Consumption:</b> 550 watts (Active Printing), 20 watts (Ready), 0.7 watts (Sleep), 0.7 watts (HP auto-off/auto-on), 0.06 watts (auto-off/manual on), 0.06 watts (Off) <sup>3</sup>		
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.2 dB(A); <b>Acoustic Pressure Emissions:</b> 49 dB(A) <sup>8</sup> <b>Acoustic Power Emissions:</b> 6.3 dB(A); <b>Acoustic Pressure Emissions:</b> 49 dB(A) <sup>8</sup>		
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 15 to 30°C; <b>Recommended Operating Temperature:</b> 15 to 27°C; <b>Storage Temperature Range:</b> -20 to 40°C; <b>Operating Humidity Range:</b> 10 to 80% RH (non-condensing); <b>Recommended Humidity Operating Range:</b> 20 to 70% RH (non-condensing)		
<b>Security Management</b>	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; LDAP authentication and authorization; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control, 802.1x authentication (EAP-TLS, and PEAP), authentication via WEP, WPA/WPA2 Personal, WPA2-enterprise; encryption via AES or TKIP; Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager, IPPS	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; LDAP authentication and authorization; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; LDAP authentication and authorization; Firewall and ACL; control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control, 802.1x authentication (EAP-TLS, and PEAP), authentication via WEP, WPA/WPA2 Personal, WPA2-enterprise; encryption via AES or TKIP; Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager, IPPS

<sup>1</sup> EPEAT<sup>®</sup> registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. <sup>2</sup> In box cartridges yield ~1,200 color composite (C/Y/M) and ~2,400 black pages 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>. Pages may vary based on customer printing conditions. <sup>3</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>4</sup> Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region. <sup>5</sup> Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> <sup>6</sup> Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth<sup>®</sup> Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://www.hp.com/go/roam> <sup>7</sup> First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity. <sup>8</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Configuration tested: base model, simplex printing, A4 paper at an average of 27 ppm. <sup>9</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>10</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>11</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>12</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>13</sup> HP recommends that the number of pages per month of imaged output 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>14</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <http://www.hp.com/go/SureSupply>; only available with Original HP supplies; Internet access required. <sup>15</sup> BA TEC is equal to Best TEC. 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.

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



# HP Color LaserJet Enterprise MFP M577 series



**Conserve energy —without sacrificing productivity. Built-in, multi-level device security helps guard your printing fleet.<sup>10</sup> This color MFP with Original HP Toner cartridges with JetIntelligence produces more vibrant, professional-quality pages.<sup>1</sup>**

Ideal for enterprises and medium businesses that need a secure, highly productive, energy-efficient color MFP.



**HP Color LaserJet Enterprise MFP M577dn**

### High-speed performance meets energy efficiency

- Don't wait for documents. Print your first page in as few as 9 seconds from energy-efficient sleep mode.<sup>2</sup>
- Speed through jobs. Print two sides as quickly as one—up to 40 ipm<sup>9</sup>—and scan both sides of the page at once.
- This MFP uses exceptionally low amounts of energy—thanks to its innovative design and toner technology.<sup>3</sup>
- Choose a maximum capacity of up to 2300 sheets.<sup>8</sup> Print up to 59 pages per minute on A5.<sup>9</sup>



**HP Color LaserJet Enterprise MFP M577f**

### Unparalleled fleet security and management

- Embedded features detect security threats and heal your MFP, protecting it from boot up to shutdown.<sup>10</sup>
- Protect sensitive data on the MFP and in transit, using embedded security features and 256-bit encryption.<sup>10</sup>
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.<sup>11</sup>
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>12</sup>

### More. Pages, Performance, and Protection.

- Make an impression with leading color quality from HP. Get unparalleled printing for your office needs.
- Get more pages with each Original HP Toner cartridge with JetIntelligence and high-yield cartridges.<sup>13</sup>
- Help ensure the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Print right away with preinstalled toner cartridges. Replace them with cartridges featuring auto seal removal.



**HP Color LaserJet Enterprise Flow MFP M577c**

### Stay connected with secure mobile printing options

- Enable 128-bit encrypted wireless direct printing from mobile devices—without accessing the network.<sup>5</sup>
- Print with just a touch of your NFC-enabled mobile device to this printer—no network needed.<sup>6</sup>
- Easily print from a variety of smartphones and tablets—generally no setup or apps required.<sup>7</sup>
- Easily access, print, and share resources with Ethernet and optional wireless networking.<sup>4</sup>



**HP Color LaserJet Enterprise Flow MFP M577z**

<sup>1</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 507A High Yield Original LaserJet Toner Cartridges with HP 508X High Yield Original LaserJet Toner Cartridges. For more information, see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>2</sup> Based on HP internal testing of top three leading competitors' first page out from sleep mode and duplex print and copy speed completed 8/2015. Subject to device settings. Actual results may vary. For details, see [hp.com/go/ljclaims](http://hp.com/go/ljclaims) <sup>3</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) versus the top three leading competitors as of 8/2015. Actual results may vary. For details see [hp.com/go/ljclaims](http://hp.com/go/ljclaims) <sup>4</sup> Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>5</sup> Wireless direct printing is standard on the HP Color LaserJet Enterprise MFP M577z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP Color LaserJet Enterprise MFP M577dn/f/c. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting) <sup>6</sup> Touch-to-print capability is standard on the HP Color LaserJet Enterprise MFP M577z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP Color LaserJet Enterprise MFP M577dn/f/c. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting) <sup>7</sup> Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) <sup>8</sup> Purchase of optional paper trays required to reach maximum input capacity. <sup>9</sup> Measured using ISO/IEC 24734 and 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>10</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) <sup>11</sup> Some solutions require download or additional purchase. Learn more at [hp.com/go/printingsolutions](http://hp.com/go/printingsolutions) <sup>12</sup> Universal device plug-in is offered with HP Web Jetadmin 10.3 SR4 and higher. HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin) <sup>13</sup> HP 508X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.

## Product walkaround

1. Intuitive 8-inch (20.3 cm) color touchscreen tilts up for easier viewing
2. Convenience stapler
3. Pull-out keyboard for easy, accurate data entry
4. Convenient front on/off button
5. Right door (access to print path)
6. 100-sheet multipurpose tray
7. 550-sheet input tray 2
8. 100-sheet ADF with single-pass, two-sided scanning and HP EveryPage
9. Hardware Integration Pocket<sup>1</sup> (for connecting accessory and third-party devices)
10. Easy-access USB port to save and print files directly<sup>2</sup>
11. Built-in wireless direct Printing<sup>3</sup>/NFC touch-to-print<sup>4</sup>
12. 250-sheet output bin
13. Front door (access to HP JetIntelligence Toner cartridges)
14. Built-in automatic two-sided printing
15. 1.75 GB standard memory (upgradeable to 2.5 GB) and a 1.2 GHz processor
16. HP High-Performance Secure Hard Disk
17. Fax port
18. HP Jetdirect Gigabit Ethernet print server
19. Slot for optional cable-type security lock
20. Hi-Speed USB 2.0 port (for connecting third-party devices)
21. Hi-Speed USB 2.0 printing port

## HP Color LaserJet Enterprise Flow MFP M577z



Front view



Close-up of I/O ports

## Series at a glance



Model	HP Color LaserJet Enterprise MFP M577dn	HP Color LaserJet Enterprise MFP M577f	HP Color LaserJet Enterprise Flow MFP M577c	HP Color LaserJet Enterprise Flow MFP M577z
<b>Product number</b>	B5L46A	B5L47A	B5L54A	B5L48A
<b>HP High-Performance Secure Hard Disk</b>	√	√	√	√
<b>100-page ADF with single-pass, two sided scanning</b>	√	√	√ (Plus HP EveryPage)	√ (Plus HP EveryPage)
<b>Fax capability</b>	Optional	√	√	√
<b>Convenience stapler</b>	Not available	√	√	√
<b>Advanced workflow features including pull-out keyboard</b>	Not available	Not available	√	√
<b>Wireless direct printing<sup>3</sup>/NFC<sup>4</sup></b>	Optional	Optional	Optional	√

<sup>1</sup>Solutions deployed through the Hardware Integration Pocket may require additional purchase. <sup>2</sup>An administrator must enable the easy-access USB port before use. <sup>3</sup>Wireless direct printing is standard on the HP Color LaserJet Enterprise MFP M577z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP Color LaserJet Enterprise MFP M577dn/f/c. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). <sup>4</sup>Touch-to-print capability is standard on the HP Color LaserJet Enterprise MFP M577z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP Color LaserJet Enterprise MFP M577dn/f/c. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting).



## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

### Same Day Onsite – 4 hour 9x5 and 13x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

### Next Business Day with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

### Installation Service with Network Setup:

Installation services that include onsite installation and network setup of printing product.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



## Top features

This efficient MFP is designed to conserve energy without sacrificing productivity—so users can speed through tasks and move business forward. It also uses exceptionally low amounts of energy—thanks to its innovative design and toner technology.<sup>3</sup>

Trust your MFP is secure from power-up to power-down. Get strong protection for devices, data, and documents with embedded and optional security features while centrally managing your entire fleet.

Bring out the best in your MFP. Print more high-quality pages than ever before,<sup>1</sup> using specially designed Original HP Toner cartridges with JetIntelligence. Count on the authentic HP quality you paid for—something the competition can't match.

Enable secure wireless printing in the office—with or without network access<sup>5</sup>—and keep users connected with Ethernet and optional wireless networking.<sup>4</sup> Print with just a touch from mobile devices.<sup>6</sup>

### Accessories

B5L34A - HP Color LaserJet 550-sheet Media Tray  
 B5L51A - HP Color LaserJet Printer Cabinet  
 J8030A - HP Jetdirect 3000w NFC/Wireless Accessory  
 J8031A - HP Jetdirect 2900nw Print Server  
 B5L31A - HP Foreign Interface Harness  
 B5L53A - HP LaserJet MFP Analog Fax Accessory 600  
 C2208A - HP Common Card Reader (with HIP2 Adapter)  
 E5K48A - 1GB DDR3 DIMM  
 B5L28A - HP Internal USB Ports  
 F5S62A - HP Trusted Platform Module Accessory

### Supplies

CF360A - HP 508A Black LaserJet Toner Cartridge (~6000 ISO yield)  
 CF360X - HP 508X Black LaserJet Toner Cartridge (~12,500 ISO yield)  
 CF361A - HP 508A Cyan LaserJet Toner Cartridge (~5000 ISO yield)  
 CF361X - HP 508X Cyan LaserJet Toner Cartridge (~9500 ISO yield)  
 CF362A - HP 508A Yellow LaserJet Toner Cartridge (~5000 ISO yield)  
 CF362X - HP 508X Yellow LaserJet Toner Cartridge (~9500 ISO yield)  
 CF363A - HP 508A Magenta LaserJet Toner Cartridge (~5000 ISO yield)  
 CF363X - HP 508X Magenta LaserJet Toner Cartridge (~9500 ISO yield)  
 B5L35A - HP LaserJet 110v Fuser Kit  
 B5L36A - HP LaserJet 220v Fuser Kit  
 B5L37A - HP Color LaserJet Toner Collection Unit  
 B5L52A - HP 200 ADF Roller Replacement Kit  
 Q7432A - HP Staple Cartridge Pack

### Services

U8TH7E - HP 3 year Next Business Day + Defective Media Retention Color LaserJet M577 MultiFunction Hardware Support  
 U8TH8E - HP 4 year Next Business Day + Defective Media Retention Color LaserJet M577 MultiFunction Hardware Support  
 U8TH9E - HP 5 year Next Business Day + Defective Media Retention Color LaserJet M577 MultiFunction Hardware Support  
 U8TJ0E - HP 3 year 4 hour 9x5 + Defective Media Retention Color LaserJet M577 MultiFunction Hardware Support  
 U2010E - HP Network Installation mid-range LaserJet Multifunction printer Service

<sup>1</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 507A High Yield Original LaserJet Toner Cartridges with HP 508X High Yield Original LaserJet Toner Cartridges. For more information, see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). <sup>3</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) versus the top three leading competitors as of 8/2015. Actual results may vary. For details see [hp.com/go/Ljclaims](http://hp.com/go/Ljclaims). <sup>4</sup> Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>5</sup> Wireless direct printing is standard on the HP Color LaserJet Enterprise MFP M577z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP Color LaserJet Enterprise MFP M577dn/f/c. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). <sup>6</sup> Touch-to-print capability is standard on the HP Color LaserJet Enterprise MFP M577z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP Color LaserJet Enterprise MFP M577dn/f/c. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting)

# HP Color LaserJet Enterprise MFP M577 series

Technical Specifications	HP Color LaserJet Enterprise MFP M577dn(B5L46A)	HP Color LaserJet Enterprise MFP M577f(B5L47A)	HP Color LaserJet Enterprise Flow MFP M577c(B5L54A)	HP Color LaserJet Enterprise Flow MFP M577z(B5L48A)
<b>AIO functions</b>	Print, copy, scan; <b>AIO multitasking supported:</b> Yes			
<b>Print speed</b>	<b>Letter:</b> Up to 40 ppm black; Up to 40 ppm color <sup>11</sup> ; <b>First Page Out Black:</b> As fast as 5.5 sec M577dn & M577f, (M577c & M577z); <b>First Page Out Color:</b> As fast as 6.8 sec <sup>22</sup>			
<b>Print resolution</b>	<b>Black (best):</b> HP ImageREt 3600; <b>Colour (best):</b> HP ImageREt 3600			
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> HP ImageREt 3600, Pantone Calibrated. <b>Fine lines:</b> 1200x1200			
<b>Standard Print Languages</b>	HP PCL 6; HP PCL 5c; HP postscript Level 3 emulation, native PDF printing (v1.7)			
<b>Printer Smart Software Features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP Easy Color			
<b>Printer Management</b>	UPD Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator); HP Web JetAdmin Software; HP Proxy Agent Software; HP Easy Color; HP JetAdvantage Security Manager			
<b>Scan Type / Technology</b>	<b>Type:</b> Flatbed, ADF (two-sided, single-pass); <b>Technology:</b> 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>	<b>M77dn &amp; M577z:</b> Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (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, .pct, .cht)			
<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 (OXP) applications	Front panel applications: Copy, E-mail, Fax, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications	Front panel applications: Copy, E-mail, Fax, Save to Network Folder, Save to USB, Save to Device Memory, Save to SharePoint, Open Extensibility Platform (OXP) applications	
<b>Scan Size</b>	<b>ADF:</b> 8.5 x 14 in Maximum; 4.1 x 5 in Minimum; <b>Flatbed:</b> 8.5 x 14 in			
<b>Scan Speed</b>	Up to 45 ppm/45 ipm (b&w), up to 40 ppm/40 ipm (color) <sup>23</sup> ; <b>Duplex:</b> Up to 45 ipm (b&w), up to 40 ipm (color)		Up to 48 ppm/68 ipm (b&w), up to 48 ppm/60 ipm (color) <sup>23</sup> ; <b>Duplex:</b> Up to 68 ipm (b&w), up to 60 ipm (color)	
<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		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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	
<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 (M577f only); Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF		Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; OCR; 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; OCR	
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 40 cpm; <b>Color (letter):</b> Up to 40 cpm <sup>21</sup>			
<b>Copy Resolution</b>	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi (flatbed), 600 x 450 dpi (ADF); <b>Color (text and Graphics):</b> Up to 600 x 600 dpi (flatbed), 300 x 600 dpi (ADF)			
<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; Job build; Edge-to-edge; Job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes)			
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>18</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> 204 x 98 dpi			
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Call to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule			
<b>Fax Features</b>	Auto Fax Reduction, Auto-Redialing, Fax Forwarding, Fax Polling (receive), Junk Barrier, Maximum Speed Dialing Numbers: Up to 1000 numbers (each with 210 destinations), PC Interface			
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket; Fax (M577f, M577c & M577z only)			
<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>Network Ready</b>	Standard (built-in Gigabit Ethernet)	Standard (built-in Gigabit Ethernet)	Standard (built-in Gigabit Ethernet), Wi-Fi 802.11 b/g/n	
<b>Wireless Capability</b>	Optional, enabled with purchase of hardware accessory.			Yes, embedded NFC/HP Wireless Direct
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0 <sup>14</sup>			HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0; Wireless Direct Printing; NFC touch-to-print <sup>15</sup>
<b>Memory</b>	<b>Standard:</b> 1.25 GB (printer), 500 MB (scanner); <b>Maximum:</b> 2.0 GB (printer), 500 MB (scanner)			
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Standard, embedded HP High-Performance Secure Hard Disk, minimum 320 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Technology Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk); U.S. Government Job Files, FIPS 140-2 validated hard disk, minimum 500 GB			
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 80,000 pages <sup>5</sup> ; <b>Recommended Monthly Page Volume:</b> 2000 to 7500 <sup>10</sup>			
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet multipurpose tray, 550-sheet input tray 2; Up to 650 sheets standard; Up to 10 envelopes labels legal; <b>Output Capacities:</b> 250-sheet output bin; Up to 250 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard) <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined; <b>Media Weight Supported:</b> Tray 1: 16 to 58 lb (plain); 28 to 58 lb (glossy); Tray 2: 16 to 58 lb (plain paper); 28 to 58 lb (glossy paper); <b>Media Sizes Supported:</b> Tray 1: letter, legal, office, executive, statement, 4 x 6, 3 x 5, 5 x 7, 5 x 8, postcard (JIS), double postcard (JIS), 8.5 x 13, envelope (commercial No. 9, No. 10, Monarch); Custom: 3 x 5 to 8.5 x 14 in; Tray 2: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 4.0 x 5.85 to 8.5 x 11.69 in; Optional: Trays 3+; letter, legal, office, executive, 8.5 x 13; Custom: 4.0 x 5.85 to 8.5 x 14 in; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.0 x 5.85 to 8.5 x 11.69 in; Optional: Trays 3+; 4.0 x 5.85 to 8.5 x 14 in			
<b>Product Dimensions</b>	<b>W x D x H:</b> 18.98 x 19.84 x 22.95 in <sup>7</sup> ; <b>Maximum:</b> 27.5 x 19.84 x 22.95 in			
<b>Product Weight</b>	84 lb <sup>3</sup>	84.5 lb <sup>3</sup>	85 lb <sup>3</sup>	
<b>What's in the box</b>	Printer; Four preinstalled HP LaserJet toner cartridges (Black: ~6000 pages, Color: ~5000 pages); Toner collection unit; In-box documentation; Software CD; Power Cord; fax cable (M577f & M577z only) <sup>11</sup>			
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements.			
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified; Blue Angel; EPEAT® Silver			
<b>Control Panel</b>	8.0-in (20.3 cm) color touchscreen; adjustable angle display with gesturing; illuminated Home button (for quick return to the Home menu)		8.0-in (20.3 cm) color touchscreen; adjustable angle display with gesturing; illuminated Home button (for quick return to the Home menu) and integrated keyboard	
<b>Display Description</b>	8" color touchscreen			
<b>Software Included</b>	For Windows OS; HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Send Fax, HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), Online user manuals; For Mac OS; Welcome Screen, (Directs users to HP.com or OS App Store for LaserJet Software)			
<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 World Type); 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>	Go to <a href="http://hp.com/search">hp.com/search</a> for HP LaserJet Enterprise MFP M527 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 LaserJet Enterprise MFP M527 Printer for all operating systems			
<b>Minimum System Requirements</b>	<b>PC:</b> Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (from HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); CD-ROM or DVD drive, or Internet connection; Dedicated USB or network connection or Wireless connection; 200 MB available hard disk space; OS compatible hardware (For OS hardware requirements see <a href="http://www.microsoft.com">http://www.microsoft.com</a> ); <b>MAC:</b> Mac OS (HP Print Drivers available from HP.com and Apple Store); OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Internet; USB; 1 GB HD; OS compatible hardware (For OS hardware requirements see <a href="http://www.apple.com">http://www.apple.com</a> )			
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 127 VAC, 60 Hz, Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, product varies by part number with # Option code identifier); <b>Power Consumption:</b> 592 watts (Printing), 47.3 watts (Ready), 3.48 watts (Sleep), 0.0B watts (Auto-Off/Manual On), 0.49 watts (Auto-Off/Auto-On/Wake on LAN) <sup>4</sup>			
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.5 B(A) (printing at 38 ppm); <b>Acoustic Pressure Emissions:</b> 51 dB(A) (printing at 38 ppm) <sup>16,17</sup>			
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 81°F; <b>Recommended Operating Temperature:</b> 62 to 77°F; <b>Storage Temperature Range:</b> 32 to 95°F; <b>Non-Operating Humidity Range:</b> 10 to 90% 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 3rd party advanced authentication solutions (e.g., badge readers); 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; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140-2 validated cryptographic libraries), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, hardware integration pocket for security solutions, optional Trusted Platform Module; Security management: Compatible with optional HP JetAdvantage Security Manager			

<sup>1</sup> Toner cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors. <sup>2</sup> Without Tray 1 or Legal extension extended <sup>3</sup> With printer cartridges <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> Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). <sup>6</sup> Average color composite (G/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 [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies) <sup>7</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit [hp.com/go/SureSupply](http://hp.com/go/SureSupply) <sup>8</sup> Max memory is with 1 GB DIMM installed. The maximum the Firmware can use is 2 GB so 250 MB is unused in this configuration. <sup>9</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>10</sup> HP recommends that the number of pages per month of imaged output 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>11</sup> Measured using ISO/IEC 24734, 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>12</sup> HP recommends that the number of scanned pages per month be within the stated range for optimum device performance. <sup>13</sup> Not all "Compatible Operating Systems" are supported with INBOX software. Full solution software available only for Windows 7 and newer; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only. Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS; UNIX modelscripts are available on HP.com (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software. <sup>14</sup> Configuration tested: bundle, simplex printing, A4 paper at an average of 38 ppm. <sup>15</sup> Configuration tested: z bundle, simplex printing, A4 paper at an average of 38 ppm. <sup>16</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>17</sup> Measured using ISO/IEC 17629. 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>18</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)

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# HP Color LaserJet Enterprise M653 series



This HP Color LaserJet with JetIntelligence merges performance, energy efficiency, and security.<sup>1</sup>

This HP Color LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network with the industry's deepest security.<sup>1</sup>



HP Color LaserJet Enterprise M653dh



HP Color LaserJet Enterprise M653dn



HP Color LaserJet Enterprise M653x

#### 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 prevent potential attacks and take immediate action with instant notification of security issues.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>2</sup>
- Give workgroups what they need to succeed. Choose and deploy over 175 HP and third-party security features.

#### High speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents at up to 60 images per minute.<sup>3</sup>
- This printer wakes up fast and prints your first page faster—in as quickly as 7.7 seconds.<sup>4</sup>
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>5</sup>
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.

#### More Pages, Performance, and Protection<sup>6</sup>

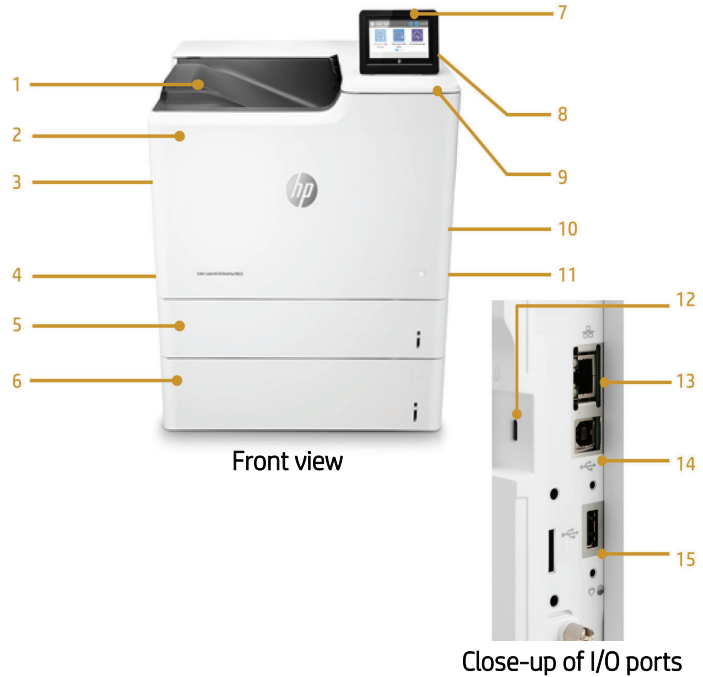
- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner Cartridges with JetIntelligence supply 46% more pages per color cartridge vs predecessor.<sup>6</sup>
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.<sup>7</sup>

<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> HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin). <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> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary. <sup>6</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP M647A and HP 648A Color Original LaserJet Toner Cartridges with HP 656X High Yield Color Original LaserJet Toner Cartridges. For more information, see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). <sup>7</sup> HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately. <sup>8</sup> An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

## HP Color LaserJet Enterprise M653x

### Product walkaround

1. 500-sheet output bin
2. Front door access to toner cartridges
3. Wi-Fi Direct printing<sup>6</sup>/Bluetooth Low Energy<sup>8</sup>
4. Built-in automatic two-sided printing
5. 550-sheet tray 2
6. 550-sheet tray 3
7. 4.3-inch (10.9 cm) icon-based color touchscreen
8. Hardware Integration Pocket<sup>2</sup>
9. Easy-access USB port
10. 100-sheet multipurpose tray 1
11. Lower right door (access to print path)
12. Slot for cable-type security lock
13. Built-in Gigabit Ethernet
14. Hi-Speed USB 2.0 printing port
15. USB port for connecting external USB devices



### Series at a glance



Model	HP Color LaserJet Enterprise M653dh	HP Color LaserJet Enterprise M653dn	HP Color LaserJet Enterprise M653x
Product number	J8A06A	J8A04A	J8A05A
Print speeds (letter/A4) <sup>4</sup>	Up to 60/56 ppm	Up to 60/56 ppm	Up to 60/56 ppm
Control panel	4.3-inch (10.9 cm) icon-based color touchscreen	4.3-inch (10.9 cm) icon-based color touchscreen	4.3-inch (10.9 cm) icon based color touchscreen
Automatic two-sided printing	✓	✓	✓
100-sheet tray 1, 550-sheet tray 2	✓	✓	✓
550-sheet paper feeder <sup>5</sup>	Optional (up to two)	Optional (up to two)	✓ (plus up to one optional)
550-sheet paper feeder with stand and cabinet <sup>5</sup>	Optional	Optional	Not available
3x550-sheet paper feeder and stand <sup>5</sup>	Optional	Optional	Not available
1x550-sheet/2,000-sheet HCL feeder and stand <sup>5</sup>	Optional	Optional	Not available
Direct mobile printing	Optional wireless direct <sup>6</sup> /NFC <sup>7</sup>	Optional wireless direct <sup>6</sup> /NFC <sup>7</sup>	Embedded Wi-Fi Direct <sup>6</sup> / Bluetooth <sup>®</sup> Low Energy
Wireless networking	Optional <sup>9</sup>	Optional <sup>9</sup>	Optional <sup>9</sup>

<sup>1</sup> Built-in automatic two-sided printing is not supported on the M652n model. <sup>2</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. <sup>3</sup> An administrator must enable the easy-access USB port before use.

<sup>4</sup> Measured using ISO/IEC 24734; 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>5</sup> All models come with 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, the M652n, M652dn, and M653dn models can add up to two additional 550-sheet paper feeders; or, they can add one of the other accessories (550-sheet paper feeder with stand and cabinet, 3x550-sheet paper feeder and stand, or 1x550-sheet/2,000-sheet paper feeder (tray 3) and it can add one additional 550-sheet HCL feeder and stand). The M653x model comes standard with -sheet paper feeder; it does not support any other paper-handling accessories. <sup>6</sup> Wi-Fi Direct printing is embedded in the HP Color LaserJet Enterprise M653x model. All other models can add wireless direct by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct<sup>®</sup> supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of Wi-Fi Alliance<sup>®</sup>. <sup>7</sup> Touch-to-print capability is optional for all models (except the M653x) with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). <sup>8</sup> Bluetooth Low Energy is standard only on the HP Color LaserJet Enterprise M653x, and it cannot be added to other models. Bluetooth<sup>®</sup> is a trademark owned by its proprietor and used by HP Inc. under license. <sup>9</sup> All models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

### Next Business Day Onsite with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

### Same Day Onsite – 4 hour 9x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



## Top features

Only HP enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.<sup>1</sup>

With speeds of up to 60 pages per minute<sup>3</sup>, fast first page out and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Get more pages and help protect your printer using Original HP Toner cartridges with JetIntelligence.<sup>6</sup>

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### Accessories

- P1B09A - HP Color LaserJet 550-sheet Paper Feeder
  - P1B10A - HP Color LaserJet 550-sheet Paper Feeder with Stand and Cabinet
  - P1B11A - HP Color LaserJet 3x550-sheet Paper Feeder with Stand
  - P1B12A - HP Color LaserJet 1x550/2000-sheet Feeder and Stand
  - J8031A - HP Jetdirect 2900nw Print Server
  - J8030A - HP Jetdirect 3000w NFC/Wireless Accessory
  - F5S62A - HP Trusted Platform Module Accessory
  - B5L28A - HP Internal USB Ports
  - B5L29A - HP Secure High Performance Hard Disk Drive
  - E5K48A - HP 1GB DDR3 x32 144-Pin 800MHz SODIMM
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### Supplies

- CF450A - HP 655A Black Original LaserJet Toner Cartridge (~12,500 pages)
  - CF460X - HP 656X High Yield Black Original LaserJet Toner Cartridge (~27,000 pages)
  - CF451A - HP 655A Cyan Original LaserJet Toner Cartridge (~10,500 pages)
  - CF461X - HP 656X High Yield Cyan Original LaserJet Toner Cartridge (~22,000 pages)
  - CF452A - HP 655A Yellow Original LaserJet Toner Cartridge (~10,500 pages)
  - CF462X - HP 656X High Yield Yellow Original LaserJet Toner Cartridge (~22,000 pages)
  - CF453A - HP 655A Magenta Original LaserJet Toner Cartridge (~10,500 pages)
  - CF463X - HP 656X High Yield Magenta Original LaserJet Toner Cartridge (~22,000 pages)
  - P1B91A - HP LaserJet 110V Maintenance Kit (~150,000 pages)
  - P1B92A - HP LaserJet 220V Maintenance Kit (~150,000 pages)
  - P1B93A - HP LaserJet Image Transfer Belt Kit (~150,000 pages)
  - P1B94A - HP LaserJet Toner Collection Unit (~100,000 pages)
- 

### Services

- U9NZ6E - HP 3 year Next Business Day Service w/Defective Media Retention
  - U9NZ9E - HP 3 year 4 hour 9x5 Service w/Defective Media Retention
  - U9PC0PE - HP 1 year Post Warranty NBD Service w/Defective Media Retention
  - U9PC2PE - HP 1 year Post Warranty 4 hour 9x5 Service w/DMR
- 

<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> HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin). <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> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary. <sup>6</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP M647A and HP 648A Color Original LaserJet Toner Cartridges with HP 656X High Yield Color Original LaserJet Toner Cartridges. For more information, see [hp.com/go/learnabouthsupplies](http://hp.com/go/learnabouthsupplies). <sup>7</sup> HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately. <sup>8</sup> An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.



# HP Color LaserJet Enterprise M653 series

Technical Specifications	HP Color LaserJet Enterprise M653dh (U8A06A)	HP Color LaserJet Enterprise M653dn (U8A04A)	HP Color LaserJet Enterprise M653x (U8A05A)
<b>Print speed</b>	Letter: Up to 60 ppm black; Up to 60 ppm color <sup>8</sup> ; <b>First Page Out Black:</b> As fast as 5.7 sec; <b>First Page Out Color:</b> As fast as 5.7 sec <sup>10</sup>		
<b>Print resolution</b>	Black (best): Up to 1200 x 1200 dpi; <b>Colour (best):</b> Up to 1200 x 1200 dpi		
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated		
<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, native PDF printing (v 1.7), URF (AirPrint)		
<b>Printer Smart Software Features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB		
<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>Standard Connectivity</b>	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket		1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy
<b>Network Capabilities</b>	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).		Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (standard).
<b>Wireless Capability</b>	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A		Yes, Built-in Wi-Fi Direct, Bluetooth low energy; Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria-certified <sup>7</sup>		HP ePrint; Wireless direct printing; Apple AirPrint™; Mopria-certified <sup>7</sup>
<b>Memory</b>	Standard: 1 GB; Maximum: 2 GB		
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater); FIPS140 certified		1.2 GHz / <b>Hard disk:</b> Optional, 500 GB (with accessory B5L29A)
<b>Duty Cycle</b>	Monthly, letter: Up to 120,000 pages <b>Recommended Monthly Page Volume:</b> 2000 to 17,000 pages		
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet multi-purpose tray, 550-sheet input tray 2; Up to 650 sheets standard labels legal; <b>Output Capacities:</b> 500-sheet output bin; Up to 500 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined; <b>Media Weight Supported:</b> Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2 and automatic two-sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4 2,000-sheet high capacity input: 16 to 58 lb (plain); <b>Media Sizes Supported:</b> Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet trays: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 2,000-sheet high-capacity tray: letter, legal; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2,000-sheet high-capacity tray: custom sizes not supported in this tray		
<b>Product Dimensions</b>	<b>W x D x H:</b> 20.08 x 18.03 x 20.08 in; <b>Maximum:</b> 37.91 x 30.31 x 20.08 in		<b>W x D x H:</b> 20.08 x 18.03 x 25.20 in; <b>Maximum:</b> 37.91 x 30.31 x 25.20 in
<b>Product Weight</b>	68.9 lb		82.7 lb
<b>What's in the box</b>	HP Color LaserJet Printer; HP Black Original LaserJet Toner Cartridge (~12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord; 1x550-sheet paper feeder (only J8A05A) <sup>2</sup>		
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region.		
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Gold (#AAZ, #201 options only)	ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#AAZ; #201 options only); CECP	ENERGY STAR® qualified; EPEAT® Silver; CECP
<b>Control Panel</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button		
<b>Display Description</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)		
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) 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 http://www.hp.com/go/laserjetfonts		
<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 mac 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>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 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/SP9 Novell Clients www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 1/1SP1, 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 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)		
<b>Minimum System Requirements</b>	PC: 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 Apple.com for more info		
<b>Power</b>	<b>Power Supply Type:</b> Built in 115V or 220V Power Supply (not dual voltage, power supply varies by part number with option code identifier); <b>Power Requirements:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 12 A; Input voltage: 220V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/-3Hz), 6 A; <b>Power Consumption:</b> 780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off) <sup>3</sup>		
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.9 B(A), <b>Acoustic Pressure Emissions:</b> 54 dB(A)		<b>Acoustic Power Emissions:</b> 6.8 B(A), <b>Acoustic Pressure Emissions:</b> 53 dB(A)
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 63.5 to 77°F; <b>Storage Temperature Range:</b> -4 to 104°F; <b>Non-Operating Humidity Range:</b> 10 to 90% 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 3rd party advanced authentication solutions (e.g., badge readers); 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; 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; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS integrity checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs		

<sup>1</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. <sup>2</sup> Cartridges included; yields 10,500 color (C/Y/M) and 12,500 black pages. Pages 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. Pages may vary based on customer printing conditions and usage. <sup>3</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>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. Energy Star value typically based on measurement of 115V device. <sup>5</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <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> May require a firmware upgrade to be compatible, download at http://www.hp.com/go/support <sup>8</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>9</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>10</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>11</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>12</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

## Learn more at hp.com

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# LaserJet Enterprise MFP M725 series

## M725dn • M725f • M725z • M725z+

Enable large-volume printing on a wide range of paper sizes—up to Ledger/A3—with a 4,600-sheet maximum input capacity.<sup>2</sup> Preview and edit scanning jobs. Centrally manage printing policies. Safeguard sensitive business information.

**Print speed:**<sup>12</sup> Up to 40 ppm black (letter)

**Print resolution:** Up to 1200 x 1200 dpi black (best)

**Scan resolution:** Up to 600 x 600 dpi hardware, Up to 600 dpi Optical

**Standard connectivity:** 2 Hi-Speed USB 2.0 Host, 1 Hi-Speed USB 2.0 Device, 1 Gigabit Ethernet 10/100/1000T network, 1 Foreign Interface, 1 Hardware Integration Pocket, 2 Internal USB Host

**Duplex print options:** Automatic (standard)

**Mobile printing capability:** HP ePrint, Apple AirPrint™



(HP LaserJet Enterprise MFP M725dn shown)

### Expand your options with sharp Ledger/A3 printing

- Empower your teams to do more—print, scan, copy, and fax<sup>1</sup> on paper sizes up to Ledger/A3—from a desktop-sized MFP.
- Stay focused on work—paper capacity up to 4,600 sheets and high-capacity cartridges limit interruptions.<sup>2,4</sup>
- Get impressive document quality with near edge-to-edge printing and a convenient, built-in stapler.<sup>5</sup>
- Print what you need, even on the go—from your smartphone or tablet—using HP ePrint<sup>3</sup> or Apple AirPrint™.<sup>6</sup>

### Quicken your business pace

- Streamline tasks—print, scan, copy, and fax<sup>1</sup> projects directly at the MFP's large color touchscreen.
- Save time by launching one-touch workflows with HP Quick Sets.
- Get just the results you need—using touchscreen controls to preview, edit, and reorder scans at the device.
- Easily send scanned files to a fax, folder, email, or USB. Print right from a memory device via the USB port.

### Manage and protect your fleet for the long run

- Simplify fleet management using world-class tools such as HP Web Jetadmin,<sup>7</sup> and reliably safeguard devices.
- Safeguard data—at rest or in transit—with an encrypted hard drive, user authentication, and security features.
- Add security tools—such as card and badge readers—via the hardware integration pocket.<sup>8</sup>
- Extend the capabilities of workteam print environments, using a rich array of easy-to-integrate solutions.

### Help save energy and reduce environmental impact

- Reduce energy use with HP Auto-On/Auto-Off Technology,<sup>9</sup> and conserve power with Instant-on Technology.<sup>10</sup>
- Conserve resources and save paper—use automatic two-sided printing.
- Easily recycle Original HP LaserJet toner cartridges through HP Planet Partners.<sup>11</sup>



HP LaserJet Enterprise MFP M725f



HP LaserJet Enterprise MFP M725z



HP LaserJet Enterprise MFP M725z+



### HP EcoSolutions

- Reduce energy use with Instant-on Technology.<sup>1</sup>
- Reduce paper use by up to 50%, using automatic two-sided printing.
- Reduce waste—scan, store, and distribute documents digitally.

Join HP in more sustainable printing  
[hp.com/ecosolutions](http://hp.com/ecosolutions)



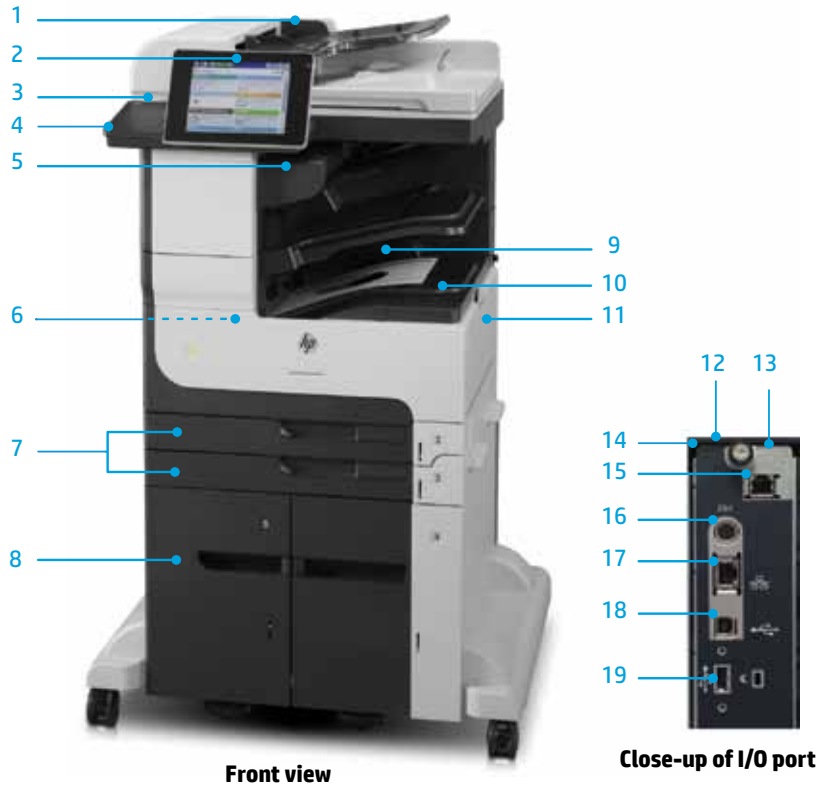
<sup>1</sup> Compared with products that use traditional fusing.

<sup>1</sup> Fax capabilities are available with an optional fax card on the HP LaserJet Enterprise MFP M725dn. <sup>2</sup> Maximum paper capacity of 4,600 sheets requires the purchase of optional paper tray accessories. <sup>3</sup> Requires an Internet connection to HP web-enabled printer and HP ePrint accounts registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see [hpconnected.com](http://hpconnected.com)). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades. <sup>4</sup> High-capacity cartridges are optional for the HP LaserJet Enterprise 700 MFP Series M725. <sup>5</sup> In-line stapler is not available on the HP LaserJet Enterprise MFP M725dn or M725f. <sup>6</sup> Supports the following devices running iOS 4.2 or later: iPad®, iPad® 2, iPhone® (3GS or later), iPod touch® (3rd generation or later). Works with HP's AirPrint-enabled printers and requires the printer be connected to the same network as your iOS device. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint, the AirPrint Logo, iPad, iPhone, and iPod touch are trademarks of Apple® Inc., registered in the U.S. and other countries. <sup>7</sup> HP Web Jetadmin is free and can be downloaded at [hp.com/webjetadmin](http://hp.com/webjetadmin). <sup>8</sup> Solutions deployed through the hardware integration pocket may require additional purchase. <sup>9</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. <sup>10</sup> Compared with products that use traditional fusing. <sup>11</sup> Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries, territories and regions in Asia, Europe, and North and South America through the HP Planet Partners program. For more information, visit: [hp.com/recycle](http://hp.com/recycle). <sup>12</sup> Measured using ISO/IEC 24734, 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.

# HP LaserJet Enterprise MFP M725 series

- 1 100-sheet automatic document feeder
- 2 Intuitive 8-inch pivoting color touchscreen control panel with FutureSmart firmware and scan preview
- 3 Hardware integration pocket (HIP) for solution integration
- 4 Easy-access USB port to save and print files directly
- 5 In-line stapler with 500-sheet output bin
- 6 Built-in automatic two-sided printing
- 7 Two 250-sheet input trays, one supporting up to legal and one supporting up to ledger/A3
- 8 3,500-sheet high-capacity feeder and stand for a 4,100-sheet total input capacity
- 9 250-sheet output bin
- 10 Side door allows convenient access to the all-in-one HP print cartridge
- 11 100-sheet multipurpose tray 1 supports a wide variety of paper sizes and types
- 12 800 MHz processor, 1 GB standard memory
- 13 Two internal USB Host ports (for connecting third-party devices)
- 14 HP High-Performance Secure Hard Disk
- 15 Fax port
- 16 Foreign Interface port
- 17 HP Jetdirect Gigabit Ethernet print server
- 18 Hi-Speed USB 2.0 device port
- 19 Hi-Speed USB 2.0 Host port

HP LaserJet Enterprise MFP M725z+ printer shown



## Series at a glance



	M725dn MFP	M725f MFP	M725z MFP	M725z+ MFP
<b>Part number</b>	CF066A	CF067A	CF068A	CF069A
<b>Gigabit Ethernet networking</b>	✓	✓	✓	✓
<b>Automatic two-sided printing</b>	✓	✓	✓	✓
<b>100-sheet multipurpose tray 1</b>	✓	✓	✓	✓
<b>2 x 250-sheet trays 2 and 3</b>	✓	✓	✓	✓
<b>500-sheet tray<sup>1</sup></b>	Optional	✓	Not available	Optional
<b>500-sheet feeder with cabinet and stand<sup>1</sup></b>	Optional	✓	Not available	Not available
<b>3 x 500-sheet feeder and stand<sup>1</sup></b>	Optional	Not available	✓	Not available
<b>3,500-sheet high-capacity feeder and stand<sup>1</sup></b>	Optional	Not available	Not available	✓
<b>500-sheet in-line stapler</b>	Not available	Not available	✓	✓
<b>HP High-Performance Secure Hard Disk</b>	✓	✓	✓	✓
<b>Fax</b>	Optional	✓	✓	✓
<b>ENERGY STAR<sup>®</sup> qualified</b>	✓	✓	✓	✓

<sup>1</sup> Up to 6 input trays are supported on the M725dn and M725z+ models, including the multipurpose tray and the standard 2 x 250-sheet trays. (The 3 x 500-sheet trays and stand counts for 3 trays; the 3,500-sheet HCL feeder and stand counts for 2 trays.) The 500-sheet tray is not stackable.

# Top features

Get precise document finishing, one-touch workflows, and many scan-to options on a versatile Ledger/A3 MFP.

Do more—with document sizes up to Ledger/A3, and high-capacity cartridges<sup>3</sup> and paper trays. Print nearly to the page's edge, and even staple (Only on Z and Z+ models). Copy, scan, and fax<sup>1</sup>—and print from smartphones and tablets from virtually anywhere with HP ePrint.<sup>2</sup>

Set a swift pace—use this powerful MFP to keep your work moving. Save time and make your job easier, using HP Quick Sets. Preview and control jobs on the 8-inch color touchscreen. Scan to multiple locations, and print via an easy-access USB port.

Monitor your devices with industry-leading tools, including HP Web Jetadmin.<sup>4</sup> Help protect data both in transit and at rest. Enhance security with PIN printing. Add safeguards via the hardware integration pocket. Integrate tomorrow's solutions with ease.

Help conserve resources and meet corporate environmental goals. HP Auto-On/Auto-Off Technology helps reduce energy use.<sup>5</sup> Easily manage printing policies with HP EcoSMART Fleet.<sup>6</sup> Save paper, using automatic two-sided printing.

## Get the most out of your printer with HP accessories, supplies, and services.

### HP services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. Choose from:

**Optimized Care** (optimum performance and stability):  
4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

**Standard Care** (high level of uptime):  
Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

**Basic Care** (minimum recommended support):  
Next Business Day Onsite Support

**4 hr Onsite Support:** Onsite support within four hours after a service call received within the coverage window

**Next Business Day Onsite Support:** Onsite service the next business day after the service call is received

**Maintenance Kit Replacement Service:** Onsite replacement of your printer's maintenance kit including parts, materials, and labor

**Installation with Network Configuration Service:** Assembly, network configuration, and basic administrator familiarization

For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit [hp.com/go/printservices](http://hp.com/go/printservices)

### Printers

HP LaserJet Enterprise 700 MFP M725dn	CF066A
HP LaserJet Enterprise 700 MFP M725f	CF067A
HP LaserJet Enterprise 700 MFP M725z	CF068A
HP LaserJet Enterprise 700 MFP M725z+	CF069A

### Toner Cartridges

HP 14A Black LaserJet Toner Cartridge (10,000 pages)	CF214A
HP 14X Black LaserJet Toner Cartridge (17,500 pages)	CF214X

### Accessories

500-sheet feeder and tray assembly	CF239A
1x500-sheet feeder, cabinet, and stand	CF243A
3x500-sheet feeder and stand	CF242A
3,500-sheet HCI and stand	CF245A
110v Maintenance/Fuser Kit	CF249A
220v Maintenance/Fuser Kit	CF254A
HP 200-pin DDR2 512MBx64 DIMM	CF306A
HP staple cartridge refill	C8091A
HP LaserJet MFP Analog Fax Accessory 500	CC487A
ADF Roller kit	L2718A

### HP Care Pack

HP 3 year Next business day + Defective Media retention LaserJet M725 Multifunction printer Support	U7A14E
HP 4 year Next business day + Defective Media retention LaserJet M725 Multifunction printer Support	U7A15E
HP 5 year Next business day + Defective Media retention LaserJet M725 Multifunction printer Support	U7A16E
HP 3 year 4 hour 9x5 LaserJet M725 Multifunction printer Hardware Support	U7A08E
HP 4 year 4 hour 9x5 LaserJet M725 Multifunction printer Hardware Support	U7A10E
HP 5 year 4 hour 9x5 LaserJet M725 Multifunction printer Hardware Support	U7A12E
HP 1 year Post Warranty Next business day + Defective Media retention LaserJet M725 Multifunction printer Support	U7Y76PE
HP 1 year Post Warranty 4 hour 9x5 LaserJet M725 Multifunction printer Support	U7Y74PE

To know what HP Care Pack services exist for your product, please visit Care Pack Central at [hp.com/go/cpc](http://hp.com/go/cpc)

### Paper

[hp.com/go/paper](http://hp.com/go/paper)

### Software

HP Web Jetadmin: [hp.com/go/wja](http://hp.com/go/wja)

HP Universal Print Driver: [hp.com/go/upd](http://hp.com/go/upd)

<sup>1</sup> Fax capabilities are available with an optional fax card on the HP LaserJet Enterprise MFP M725dn. <sup>2</sup> Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see [hpconnected.com](http://hpconnected.com)). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades. <sup>3</sup> High-capacity cartridges are optional for the HP LaserJet Enterprise 700 MFP Series M725. <sup>4</sup> HP Web Jetadmin is free and can be downloaded at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin). <sup>5</sup> HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade. <sup>6</sup> HP EcoSMART Fleet must be purchased separately.

# HP LaserJet Enterprise MFP M725 series

	HP LaserJet Enterprise 700 MFP M725dn (CF066A)	HP LaserJet Enterprise 700 MFP M725f (CF067A)	HP LaserJet Enterprise 700 MFP M725z (CF068A)	HP LaserJet Enterprise 700 MFP M725z+ (CF069A)
<b>AIO functions</b>	Print, copy, scan		Print, copy, scan, fax	
<b>Print</b>				
Duplex print options	Automatic (standard)			
Print speed <sup>1</sup>	Up to 40 ppm (Black, letter); <b>First page out</b> <sup>2</sup> : As fast as 10 sec			
Print technology	Laser			
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Black (normal):</b> HP FastRes 1200 (1200 dpi quality), 600 x 600 dpi with HP Resolution Enhancement technology			
Printer Smart Software features	HP ePrint, Apple AirPrint, Open Extensibility Platform, FutureSmart Firmware, HP Auto-On/Auto-Off technology, Easy Access USB, Image Preview			
Mobile printing capability	HP ePrint; Apple AirPrint			
Standard print languages	HP PCL 6; HP PCL 5e; HP postscript level 3 emulation; PDF 1.4			
<b>Scan</b>				
Scan type/technology	Flatbed, ADF; <b>Technology:</b> Charge Coupled Device (CCD)			
Scan speed <sup>3</sup>	<b>Letter:</b> Up to 49 ppm (black and white), up to 30 ppm (color)			
Scan resolution	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 dpi			
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A			
Scan input modes	Copy, scan to e-mail, scan to network folder, scan to USB, save to device memory, fax, Open Extensibility Platform (OXF) applications			
Scan size maximum	<b>ADF, Flatbed:</b> 11 x 17 in (297 x 420 mm)			
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge erase; Auto tone; Auto job notification; Blank page suppression; HP Quick Sets			
Bit depth/Grayscale levels	24 bit/256			
<b>Copy</b>				
Copy speed <sup>4</sup>	Up to 40 cpm (Black, letter)			
Copy resolution	<b>Black (text and graphics):</b> 600 x 600 dpi			
Max number of copies	Up to 9,999 copies			
Copier reduce/enlarge	25 to 400%			
Copier settings	Sides; Collate; Paper Selection; Reduce/Enlarge; Image Adjustment; Content Orientation; Pages per sheet; Booklet format; Edge to Edge; Optimize Text/Picture; Original Size; Job Build			
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			
<b>Fax</b>				
Transmission speed <sup>5</sup>	Not Applicable		Up to 33.6 kbps; 3 sec per page	
Fax resolution	Not Applicable		<b>Black (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>Black and White (fine):</b> 204 x 196 dpi, 256 levels of gray; <b>Black Photo Grayscale:</b> 300 x 300 dpi (400 x 400 dpi for received faxes only)	
Fax smart software features	Not Applicable		Stored faxes; fax archiving; fax forwarding; scale-to-fit; fax address book; LAN/Internet fax; fax number confirmation; Holiday fax schedule	
Fax memory	Not Applicable		Up to 100 pages	
Fax features	Not Applicable		<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>Junk Barrier Supported:</b> Yes; <b>PC Interface Supported:</b> Yes; <b>Telephone Handset Supported:</b> No; <b>Fax Telephone Mode Supported:</b> No	
<b>Connectivity</b>				
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Foreign Interface; 1 Hardware Integration Pocket; 2 Internal USB Host			
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 Gig Links; IPsec (standard); 802.11b/g/n wireless networking (optional)			
Wireless capability	Optional, enabled with purchase of a hardware accessory			
Modem	Not Applicable		33.6 kbps	
<b>Memory</b>	1 GB			
<b>Processor speed</b>	800 MHz			
<b>Duty cycle (monthly, A4)<sup>6</sup></b>	Up to 200,000 pages			
<b>Recom monthly page volume</b>	Up to 5000 to 20,000 pages			
<b>Paper handling</b>				
Media type	Paper (color, letterhead, light, plain, preprinted, prepunched, recycled, rough, tough paper), bond, cardstock, envelope, labels, transparency, vellum			
Media weight	<b>Tray 1:</b> 16 to 53 lb (60 to 199 g/m <sup>2</sup> ); <b>Trays 2-6:</b> 16 to 32 lb (60 to 120 g/m <sup>2</sup> )			
Custom media sizes	<b>Tray 1:</b> 3 x 5 to 12.3 x 18.5 in; <b>Tray 2:</b> 5.8 x 8.3 to 11.7 x 14.3 in; <b>Trays 3-6:</b> 5.8 x 8.3 to 11.7 x 17 in			
ADF capacity	Standard, 100 sheets			
<b>Dimensions (W x D x H)</b>	24.2 x 25.6 x 24 in (614 x 649 x 609 mm) <b>Max:</b> 34.1 x 38.9 x 24 in (865 x 989 x 609 mm)	29.3 x 26.8 x 45.7 in (745 x 681 x 1160 mm); <b>Max:</b> 36.1 x 40.6 x 45.7 in (917 x 1032 x 1160 mm)	29.3 x 26.8 x 46.9 in (745 x 681 x 1192 mm); <b>Max:</b> 36.1 x 40.6 x 46.9 in (917 x 1032 x 1192 mm)	
<b>Weight</b>	119.3 lb (54.11 kg)	192.3 lb (87.1 kg)	206.3 lb (92.35 kg)	225.8 lb (102.42 kg)
<b>What's in the box<sup>8</sup></b>	<b>M725dn:</b> HP LaserJet Enterprise MFP M725; <b>HP Black LaserJet Toner Cartridge</b> (10,000 pages); Hardware Installation Guide, Support flyer, Warranty guide; Printer documentation and software on CD-ROM; Power cord. <b>M725f, M725z &amp; M725z+:</b> Same as above plus Telecom cable			
<b>Warranty features</b>	One-year on-site warranty			
<b>Compatible operating systems</b>	Windows 8, Windows 7, Windows Vista, Windows XP (SP2+), Windows Server 2003 (SP1+), Windows Server 2008 (32 and 64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit); Mac OS X 10.6, OS X Lion, OS X Mountain Lion; For the latest operating system support see: Citrix and Windows Terminal Services ( <a href="http://hp.com/go/uptd">hp.com/go/uptd</a> ); Novell ( <a href="http://novell.com/iprint">novell.com/iprint</a> ); Linux ( <a href="http://hplip.net">hplip.net</a> ); UNIX ( <a href="http://hp.com/go/unix">hp.com/go/unix</a> , <a href="http://hp.com/go/unixmodelscripts">hp.com/go/unixmodelscripts</a> , <a href="http://hp.com/go/jetdirectunix_software">hp.com/go/jetdirectunix_software</a> ); SAP device types ( <a href="http://hp.com/go/sap/drivers">hp.com/go/sap/drivers</a> , <a href="http://hp.com/go/sap/print">hp.com/go/sap/print</a> ); HP ePrint Mobile Driver ( <a href="http://hp.com/go/eprintmobiledriver">hp.com/go/eprintmobiledriver</a> )			
<b>Minimum system requirements</b>	<b>PC:</b> Windows 8, Windows 7, Windows Vista, Windows XP (SP2+), Windows Server 2003 (SP1+), Windows Server 2008, Windows Server 2008 R2, Windows Server 2012 (64-bit); 200 MB available hard disk space; operating system compatible hardware system requirements, see <a href="http://microsoft.com">microsoft.com</a> : <b>Mac:</b> Mac OS X 10.6, OS X Lion, OS X Mountain Lion; 1 GB available hard disk space; operating system compatible hardware system requirements, CD-ROM/DVD-ROM or Internet, see <a href="http://apple.com">apple.com</a>			
<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://hp.com/go/laserjetfonts">hp.com/go/laserjetfonts</a>			
<b>Control panel</b>	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Easy Access USB; Hardware Integration Pocket			
<b>Software included</b>	Windows Installer, HP PCL 6 discrete driver, Mac SW Link to Web, [Postscript emulation driver & Installer on Web], Note: No Mac SW inbox			

<b>Environmental ranges</b>		<b>Acoustic power emissions bystander (active, printing):</b>	
Operating humidity range:	20 to 80% RH	Acoustic pressure emissions bystander (ready):	54 dB(A)
Non-operating humidity range:	10 to 90% RH	<b>Power<sup>9</sup></b>	36 dB(A)
Recommended operating humidity range:	30 to 70% RH	Power supply type:	Built-in power supply
Operating temperature range:	50 to 91° F (10 to 32.5° C)	Power supply required:	110-volt input voltage: (Option #BGJ, #201) 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: (Option #AAZ) 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier)
Recommended operating temperature range:	50 to 91° F (10 to 32.5° C)	Power consumption:	890 watts (Active print/copy), 39 watts (Ready), 6.5 watts (Sleep), 0.3 watts (Off)
Storage temperature range:	32 to 140° F (0 to 60° C)	Typical Electricity Consumption (TEC):	3.31 kWh/Week (110/220 V), 2.8 kWh/Week (Blue Angel)
<b>Acoustic<sup>10</sup></b>			
Acoustic power emissions:	6.8 B(A)		
Acoustic power emissions (active copy):	7.1 B(A)		
Acoustic power emissions (ready):	5.0 B(A)		
Acoustic pressure emissions bystander (active copy):	56 dB(A)		

<sup>1</sup> Measured using ISO/IEC 24734, 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>2</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity. <sup>3</sup> Actual speeds may vary depending on scan resolution, network conditions, computer performance and application software. <sup>4</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>5</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>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 LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <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. Values subject to change, see [hp.com/support](http://hp.com/support) for current information. <sup>8</sup> Acoustic values are subject to change. For current information see [hp.com/support](http://hp.com/support). Configuration tested: base model, simplex printing, A4 paper at an average of 40 ppm.



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To learn more, visit [hp.com](http://hp.com)

4AA-5988ENUC, September 2015, Rev. 6





# HP LaserJet Enterprise M611 series

This HP LaserJet with JetIntelligence combines performance, energy efficiency, and security.<sup>1</sup>

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.<sup>1</sup>

**Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.**  
<http://www.hp.com/go/learnaboutsupplies>



HP LaserJet Enterprise M611dn



HP LaserJet Enterprise M611x

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

- With HP Sure Start, operating code is automatically checked at startup and repairs itself if compromised.
- Run-time intrusion detection continually monitors to detect and stop attacks, then automatically reboots.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>2</sup>
- Give workgroups what they need to succeed. Easily choose and deploy hundreds of HP and third-party solutions.

## High-speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents nearly as fast as single-sided.
- This printer wakes up and prints your first page fast—in as quickly as 7.8 seconds.<sup>4</sup>
- This printer uses low amounts of energy thanks to its innovative design and toner technology.
- Easily manage print jobs directly at the printer—just tap and swipe the 4.3-inch (10.9 cm) color touchscreen.

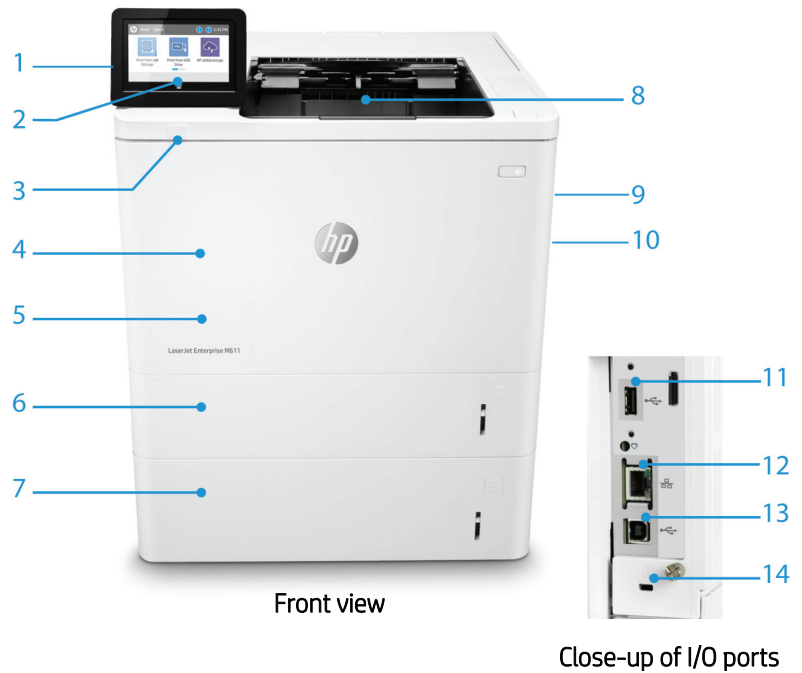
## Performance and protection you can count on

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.<sup>5</sup>

<sup>1</sup> HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: <http://www.hp.com/go/PrintersThatProtect>. For more information, visit: <http://www.hp.com/go/PrinterSecurityClaims>. <sup>2</sup> HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin>. <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> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>5</sup> HP 147X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately. <sup>6</sup> An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

## Product walkaround

1. Hardware Integration Pocket<sup>1</sup>
2. 4.3-inch (10.9 cm) color touchscreen control panel
3. Easy-access USB port
4. 100-sheet multipurpose tray 1
5. Front door access to toner cartridges
6. 550-sheet input tray 2
7. 550-sheet input tray 3
8. 500-sheet output bin
9. Automatic two-sided printing
10. Wi-Fi Direct<sup>®4</sup>/Bluetooth<sup>®</sup> Low Energy<sup>7</sup>
11. Host USB port
12. Gigabit Ethernet network port
13. Hi-Speed USB 2.0 printing port
14. Slot for cable-type security lock



## Series at a glance



HP LaserJet Enterprise M611dn



HP LaserJet Enterprise M611x

Part number	7PS84A	7PS85A
<b>Print speeds (Letter)<sup>2</sup></b>	Up to 65 ppm	Up to 65 ppm
<b>Control panel</b>	4.3-inch (10.9 cm) color touchscreen	4.3-inch (10.9 cm) color touchscreen
<b>Automatic two-sided printing</b>	✓	✓
<b>Hardware Integration Pocket<sup>1</sup></b>	✓	✓
<b>100-sheet tray 1, 550-sheet tray 2</b>	✓	✓
<b>550-sheet paper feeder<sup>3</sup></b>	Optional (up to four)	✓ (plus up to three optional)
<b>2,100-sheet paper feeder<sup>3</sup></b>	Optional	Optional
<b>Envelope feeder</b>	Optional (up to two)	Optional (up to two)
<b>Printer stand</b>	Optional	Optional
<b>5-bin stapler/stacker/mailbox with job offset</b>	Optional	Optional
<b>Direct mobile printing</b>	Optional wireless direct <sup>4</sup> /NFC <sup>5</sup>	Embedded Wi-Fi Direct <sup>4</sup> /Bluetooth Low Energy <sup>7</sup>
<b>Wireless networking</b>	Optional <sup>6</sup>	Optional <sup>6</sup>
<b>HP High-Performance Secure Hard Disk</b>	Optional	Optional

<sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. <sup>2</sup> Measured using ISO/IEC 24734; 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>3</sup> All models come standard with the 100-sheet multipurpose tray and 550-sheet tray 2. The HP LaserJet Enterprise M611x and M612x models come with one additional 550-sheet paper feeder standard, and can add up to three additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. The M610dn, M611dn, and M612dn models can add up to four additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. <sup>4</sup> Wi-Fi Direct printing is embedded in the HP LaserJet Enterprise M611x and M612x models. All other models can add wireless direct with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct<sup>®</sup> supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of Wi-Fi Alliance. <sup>5</sup> Touch-to-print capability is optional for all models (except M611x and M612x) with purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). <sup>6</sup> All models can add wireless networking with the purchase of the optional HP Jetdirect 2900w Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>7</sup> Bluetooth Low Energy is standard only on the HP LaserJet Enterprise M611x and M612x models, and it cannot be added to other models. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license.



## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



## Top features

Only HP Enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.<sup>1</sup>

With speeds up to 65 pages per minute,<sup>3</sup> fast first page out, and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Help protect your printer using Original HP Toner cartridges with JetIntelligence.

### Accessories

L0H17A HP LaserJet 550-Sheet Paper Feeder  
 L0H18A HP LaserJet 2100 Sheet Paper Feeder  
 L0H19A HP LaserJet Printer Stand  
 L0H20A HP LaserJet Stapler/Stacker/ Mailbox  
 L0H21A HP LaserJet Envelope Feeder  
 L0H22A HP LaserJet Extension Tray Cover  
 2MU47A HP Accessibility Assistant  
 2NR03A HP 1GB 90-Pin DDR3 TAA Version DIMM  
 2NR12A HP Removable Hard Drive Enclosure  
 3JN69A HP JetDirect 3100w BLE/NFC/Wireless Accy  
 5EL03A HP TAA Version Secure Hard Disk Drive  
 B5L28A HP Internal USB Ports  
 B5L29A HP Secure High Performance Hard Disk Drive  
 CC543B HP SmartCard NIPRNet Solution for US Government  
 F2A86A HP Int USB Ports Bulk M604/605/606 Accy  
 G6W84A HP 1GB 90-Pin DDR3 DIMM  
 J8031A HP Jetdirect 2900nw Print Server  
 X3D03A HP USB Universal Card Reader  
 Y7C05A HP HIP2 Keystroke Reader  
 4QL32A HP Legic Reader

### Supplies

HP Staple Cartridge Refill J8J96A  
 HP LaserJet 110v Maintenance Kit L0H24A  
 HP LaserJet 220v Maintenance Kit L0H25A

### Solutions

**Overview:** The HP Solutions portfolio provides a broad array of solutions designed to work with many HP printers and MFPs. They can help improve productivity, safeguard your data, and drive down costs. Helping employees and your IT team work more efficiently.

**Security:** HP JetAdvantage Security Manager fleet security compliance and management; HP Access Control; HP JetAdvantage Secure Print; Card readers; Secure Encrypted Print (UPD)

**Management:** HP WebJetAdmin; HP JetAdvantage Security Manager; HP JetAdvantage Insights  
 For more information on solutions, go to <http://www.hp.com/go/jetadvantage>. For a list of 3rd party solutions, go to <http://www.hp.com/go/gsc>.

### Services

U9NE0E - HP 3y NBD LJ Ent M608 M611 SVC  
 U9NE5E - HP 5y 4h 9x5 LJ Ent M608 M611 SVC  
 U9NE8E - HP 5y 4h 13x5 LJ Ent M608 M611 SVC  
 U9NF4E - HP 5y Nbd Exch LJ Ent M608 M611 SVC  
 U9NF7E - HP 5y RtD LJ Ent M608 M611 SVC  
 U9NF9E - HP 4y ChnlPartsOnly LJ Ent M608 M611 SVC  
 U9NG0E - HP 5y ChnlPartsOnly LJ Ent M608 M611 SVC  
 U9NG5PE - HP 2y PW NBD LJ Ent M608 M611 SVC  
 U9NG7PE - HP 2y PW 4h 9x5 LJ Ent M608 M611 SVC  
 U9NG8PE - HP 1y PW 4h 13x5 LJ Ent M608 M611 SVC  
 U9NH1PE - HP 1y PW Nbd Exch LJ Ent M608 M611 SVC  
 U9NH2PE - HP 1y PW RtD LJ Ent M608 M611 SVC  
 U9NH4PE - HP 2y PW PartsOnly LJ Ent M608 M611 SVC  
 U9PS8E - HP MKRS LJ M60x M611 Fuser 110 SVC  
 U9PS9E - HP MKRS LJ M60x M611 Fuser 220 SVC  
 U9JT2E - HP Inst SVC w/nw Workgroup Printer

<sup>1</sup> HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: <http://www.hp.com/go/PrintersThatProtect>. For more information, visit: <http://www.hp.com/go/PrinterSecurityClaims>. <sup>2</sup> HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin>. <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> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>5</sup> HP 147X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately. <sup>6</sup> An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

# HP LaserJet Enterprise M611 series

Technical Specifications	HP LaserJet Enterprise M611dn(7P584A)	HP LaserJet Enterprise M611x(7P585A)
<b>Print speed</b>	<b>A4:</b> Up to 61 ppm black; <b>Letter:</b> Up to 65 ppm black; <sup>9</sup> <b>AS:</b> Up to 100 ppm <sup>10</sup> ; <b>First Page Out Black:</b> As fast as 5.1 sec; <sup>11</sup>	<b>A4:</b> Up to 50 ipm black; <b>Letter:</b> Up to 53 ipm black
<b>Duplex Print speed</b>	<b>A4:</b> Up to 50 ipm black; <b>Letter:</b> Up to 53 ipm black	
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Black (normal):</b> FastRes 1200; <b>Black (fine lines):</b> Up to 1200 x 1200 dpi	
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> Normal FastRes 1200; Fine Lines (1200 x 1200 dpi), Quickveiw (300 x 300 dpi), Economode (600 x 600 dpi)	
<b>Print Cartridges Number</b>	1 (black)	
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	
<b>Printer Smart Software Features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	
<b>Printer Management</b>	HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator);	
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	
<b>Network Capabilities</b>	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); Built-in 802.11a/b/g/n wireless networking (standard);
<b>Wireless Capability</b>	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory JB030A. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A. Dual band Wireless Station functionality available with HP Jetdirect 2900w Printer Server JB031A	Yes, built-in WiFi with Dual band Wireless Station, Wi-Fi Direct functionality and BLE.
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM optional for easy printing <sup>7</sup>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM capable for easy printing; Wi-Fi® Direct printing <sup>7</sup>
<b>Memory</b>	<b>Standard:</b> 512 MB; <b>Maximum:</b> 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed	
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Optional, 500 GB (with accessory B5L29A)	
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 275,000 pages <b>Recommended Monthly Page Volume:</b> 5000 to 25000 <sup>12</sup>	
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet multipurpose feeder; 550-sheet input feeder; 150-sheet automatic document feeder; Up to 650 sheets standard labels legal; <b>Output Capacities:</b> 500 sheet output bin; Up to 500 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Envelope Feeder:</b> Yes, 75 (optional); <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; <b>Media Weight Supported:</b> Automatic Duplexer: 16 to 32 lb; <b>Media Sizes Supported:</b> 100-sheet multipurpose Tray 1: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 2000-sheet optional feeder: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 75-sheet optional envelope feeder: #9, #10, Monarch; <b>Media Sizes Custom:</b> 100-sheet multipurpose Tray 1: 1.3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 3.9 x 5.8 to 8.5 x 14 in; 550-sheet optional feeder: 3.9 x 5.8 to 8.5 x 14 in; 75-sheet envelope feeder: 3.5 x 5.8 to 7 x 10 in	<b>Input Capacities:</b> 100-sheet multipurpose feeder; 550-sheet input feeder; 150-sheet automatic document feeder; Up to 1200 sheets standard labels legal; <b>Output Capacities:</b> 500 sheet output bin; Up to 500 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Envelope Feeder:</b> Yes, 75 (optional); <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; <b>Media Weight Supported:</b> Automatic Duplexer: 16 to 32 lb; <b>Media Sizes Supported:</b> 100-sheet multipurpose Tray 1: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 2000-sheet optional feeder: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 75-sheet optional envelope feeder: #9, #10, Monarch; <b>Media Sizes Custom:</b> 100-sheet multipurpose Tray 1: 1.3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 3.9 x 5.8 to 8.5 x 14 in; 550-sheet optional feeder: 3.9 x 5.8 to 8.5 x 14 in; 75-sheet envelope feeder: 3.5 x 5.8 to 7 x 10 in
<b>Product Dimensions</b>	<b>W x D x H:</b> 17 x 18.3 x 15 in; 431 x 466 x 380 mm <b>Maximum:</b> 17 x 40.9 x 17.8 in; 431 x 1040 x 453 mm	<b>W x D x H:</b> 17 x 18.3 x 19.9 in; 431 x 466 x 505 mm <b>Maximum:</b> 17 x 43.3 x 22.9 in; 431 x 1100 x 581 mm
<b>Product Weight</b>	47.5 lbs <sup>3</sup> ; 21.6 kg <sup>3</sup>	58 lbs <sup>3</sup> ; 26.3 kg <sup>3</sup>
<b>What's in the box</b>	HP LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~10.5K yield); Documentation (Hardware Install Guide, Regulatory Flyer); Power cord. <sup>2</sup>	
<b>Replacement Cartridges</b>	HP 147A Black Original LaserJet Toner Cartridge (~10,500 pages) W1470A; HP 147X High Yield Black Original LaserJet Toner Cartridge (~25,200 pages) W1470X; HP 147Y Extra High Yield Black Original LaserJet Toner Cartridge (~42,000 pages) W1470Y <sup>6</sup>	
<b>Warranty Features</b>	One-year 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 Star Certified</b>	Yes	
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#AAZ, #201 options only)	
<b>Control Panel</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	
<b>Display Description</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	
<b>Software Included</b>	No software solutions are included in the box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com">http://123.hp.com</a> ;	
<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>	Windows Client OS (32/64 bit)-, Win10, Win8.1, Win7 Ultimate, Mobile OS-, iOS, Android, Mac-, Apple® macOS Sierra v10.13, Apple® macOS High Sierra v10.14, Apple® macOS Mojave v10.15, Discrete PCL6 Printer Driver-. For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> and search for your product name and search. Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers-. For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> . Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems. For more information on the supported operating systems see <a href="http://www.hp.com/go/upsd">www.hp.com/go/upsd</a> ;	
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/linux-imaging-and-printing">http://developers.hp.com/linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , Linux- For more information see <a href="http://developers.hp.com/linux-imaging-and-printing">http://developers.hp.com/linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers-, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> . Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems. For more information on the supported operating systems see <a href="http://www.hp.com/go/upsd">www.hp.com/go/upsd</a> ;	
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://apple.com">apple.com</a> ;	
<b>Power</b>	<b>Power Supply Type:</b> Built in 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power Requirements:</b> 100V - 127V nominal @ +/-10% (min 90V, max 140V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 12 A; 220V - 240V nominal, @ +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 6 A. <b>Power Consumption:</b> 780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off) <sup>4</sup> ; <b>Typical electricity consumption (TEC) number:</b> ES: 0.959 kWh/week, BA: 2.425 kWh/week <sup>5</sup>	
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.9 B(A); <b>Acoustic Pressure Emissions:</b> 55 dB(A) <sup>8</sup>	
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 10 to 32.5°C; <b>Recommended Operating Temperature:</b> 15 to 27°C; <b>Storage Temperature Range:</b> -20 to 40°C; <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 3rd party advanced authentication solutions (e.g.; badge readers); 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; 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; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	

<sup>1</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. <sup>2</sup> Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>3</sup> With print cartridges. <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. Power consumption values typically based on measurement of 115V device. <sup>5</sup> BA TEC is equal to Best TEC. 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 Version 2.0 TEC values or BA TEC values. BA uses Energy Star Version 2.0 TEC. Energy Star value typically based on measurement of 115V device. <sup>6</sup> Average black declared yields based on ISO/IEC 19752 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> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://hp.com/go/roam>. <sup>8</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Noise measured during printing mono simplex A4 at 62 ppm. <sup>9</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>10</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>11</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>12</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>13</sup> An FCC Class A device depends on compliance device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and a FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

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

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# HP A3 Printing Devices

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# HP Color LaserJet Enterprise MFP M776 series

Brilliant color prints, JetIntelligence technology and the world's most secure printing<sup>1</sup>

Expect brilliant color prints from advanced MFPs, equipped with JetIntelligence technology. Offering the world's most secure printing<sup>1</sup> and a wide range of paper handling features, this is printing that helps save time and simplifies workflows.



HP Color LaserJet Enterprise MFP M776dn



HP Color LaserJet Enterprise Flow MFP M776z



HP Color LaserJet Enterprise Flow MFP M776zs

## Work stands out with exceptional color performance

- Special print mode for a wider color range and extra vividness for documents and marketing materials.
- Look professional with vibrant, high-quality color prints that can stand the test of time
- Get professional quality and performance with Original HP Toner cartridges and drums with JetIntelligence.
- Produce full-bleed A3 marketing materials by printing on SRA 3 paper and trimming down to size.

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

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks
- Firmware is automatically checked during startup to determine if it's authentic code—digitally signed by HP.

## Simplify and speed up workflows

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.<sup>3</sup>
- Enter data more quickly and accurately using the pull-out keyboard.<sup>3</sup>
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.<sup>3</sup>
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.

## Minimal interruptions. Maximum productivity.

- Change the toner and drum in seconds. Both are easily accessible and come already installed out of the box.
- Avoid interruptions with an HP LaserJet printer designed for maximum productivity.
- Tailor this printer to meet the needs of your business with a wide range of paper-handling accessories.
- Print as fast as 45/46 pages per minute, (letter/A4)<sup>2</sup> to create a smoother workflow with less interruptions.

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.  
<http://www.hp.com/go/learnaboutsupplies>

<sup>1</sup> Based on HP review of 2018 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> 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>3</sup> For z and zs model only.

## Product walkaround

1. Hardware Integration Pocket<sup>1</sup>
2. 200-sheet inner finisher output bin
3. 500-sheet output bin
4. Convenience stapler<sup>2</sup>
5. Stapler/stacker inner finisher<sup>2</sup>
6. Pull-out keyboard (Flow models only)
7. Front door (access to JetIntelligence toner cartridges and imaging drums)
8. 550-sheet tray 2 supports media sizes up to 11.7 x 17 inches (297 x 432 mm)
9. Dual-band Wi-Fi<sup>®</sup> and Wi-Fi Direct with Bluetooth<sup>®</sup> Low Energy<sup>3</sup>
10. 200-sheet ADF with single-pass, two-sided scanning handles media sizes up to 11.7 x 34 inches (297 x 864 mm)
11. 9.0-inch (22.8 cm) functional touchscreen with 8.0-inch (20.3 cm) Color Graphics Display
12. Easy-access USB port<sup>4</sup>
13. Upper-right door (access to print path)
14. Right door (access to the fuser)
15. Automatic two-sided printing
16. 100-sheet multipurpose tray 1 supports media sizes up to 12 x 18 inches (305 x 457 mm) and SRA3
17. 2x550-sheet tray with stand supports media sizes up to 12 x 18 inches (305 x 457 mm) and SRA3
18. 2 Hi-Speed USB 2.0 Host ports
19. Gigabit/Fast Ethernet 10/100/1000Base-TX network port
20. Hi-Speed USB 2.0 device port
21. Fax port<sup>5</sup>



## Series at a glance



Model	HP Color LaserJet Enterprise MFP M776dn	HP Color LaserJet Enterprise Flow MFP M776z	HP Color LaserJet Enterprise Flow MFP M776zs
Product number	T3U55A	3WT91A	T3U56A
Functions	Print, copy, scan; optional fax	Print, copy, scan, fax	
Print speed (letter/A4, black and color) <sup>6</sup>	Up to 45/46 pages per minute (ppm)		
Scan speed (letter and A4, black and color) <sup>7</sup>	Simplex: Up to 90 ppm Duplex: Up to 180 images per minute (ipm)	Simplex: Up to 120 ppm Duplex: Up to 240 ipm	
Automatic two-sided printing (default) <sup>8</sup>		√	
100-sheet multipurpose tray 1 and 550 sheet tray 2		√	
1x550-sheet paper tray	Optional (add up to one) <sup>9</sup>	√	Not applicable
2x550-sheet paper tray and stand	Optional (add up to one stand only)		√
2,700-sheet HCl paper tray and stand	Optional (add up to one stand only)		Not applicable
HP LaserJet stand	Optional (add up to one stand only)		Not applicable
Stapler/Stacker inner finisher	Not applicable		√
Convenience stapler	Not applicable		√
Input capacity (standard/maximum) <sup>10</sup>	Up to 650/3,900 sheets	Up to 2,300/2,300 sheets	Up to 1,750/1,750 sheets
Advanced workflow features like pull-out keyboard, HP EveryPage, and OCR	Not applicable		√
Recommended monthly page volume <sup>11</sup>	Up to 40,000 pages		
Cartridge yield <sup>12</sup> (A/X)	Black: ~16,000/34,000 pages; Color: ~13,000/29,000 pages (all models)		
HP High-Performance Secure Hard Disk		√	
Dual-band Wi-Fi <sup>®</sup> and Wi-Fi Direct with Bluetooth <sup>®</sup> Low Energy <sup>3</sup>	Optional		√
NFC touch-to-print <sup>13</sup>	Optional (all models)		

<sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. The HP Color LaserJet Enterprise MFP M776 series comes with a second-generation HIP.

<sup>2</sup> Convenience stapler and Stapler/Stacker inner finisher accessory are only available on the HP Color LaserJet Enterprise Flow MFP M776zs model.

<sup>3</sup> Dual-band Wi-Fi<sup>®</sup> and Wi-Fi Direct with Bluetooth<sup>®</sup> Low Energy is embedded on the HP Color LaserJet Enterprise Flow MFP M776z/zs models and can be added to the HP Color LaserJet Enterprise MFP M776dn model with purchase of the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A). Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Wi-Fi is a registered trademark of Wi-Fi Alliance<sup>®</sup>. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).

<sup>4</sup> An administrator must enable the easy-access USB port before use.

<sup>5</sup> Fax capabilities are optional on the HP Color LaserJet Enterprise MFP M776dn model.

<sup>6</sup> Measured using ISO/IEC 24734, 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>7</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution network conditions computer performance and application software.

<sup>8</sup> All LaserJet Pro, Enterprise, Managed, and PageWide products with introductions beginning in September 2019 will include consistent worldwide default duplex settings (across bundles/drivers); product introductions before September 2019 may have inconsistent default duplex settings across drivers.

<sup>9</sup> The HP Color LaserJet Enterprise MFP M776dn model may add up to one 1x550-sheet paper tray and one of the following: 2x550-sheet paper tray and stand, or 2,700 sheet HCl paper tray and stand, or the HP LaserJet stand.

<sup>10</sup> Selection of optional paper-handling accessories required to reach maximum input capacity.

<sup>11</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>12</sup> Average black and color composite (C/M/Y) declared toner yields based on ISO/IEC 19798 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). Optional high-yield cartridges are not included with printer; please purchase separately.

<sup>13</sup> NFC touch-to-print is optional and can be added with purchase of the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A). Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting).

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)

## Top features

Designed for superb color output, HP LaserJet Enterprise MFP M776 printers with HP JetIntelligence toner produce amazing quality output. Print high quality, premium marketing materials and professional documents with consistently brilliant color.

HP printers have the industry's strongest security because they're always on guard, continually detecting and stopping threats while adapting to new ones. And only HP printers automatically self-heal from attacks, so IT doesn't need to intervene.

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs super-fast and a pull-out keyboard allows for quick and easy data entry.

Continue at peak performance with a streamlined printer designed to be energy efficient and keep up with the pace of business.

### Accessories

<b>2NR09A</b>	HP 2GB 144-Pin DDR3 TAA Version DIMM
<b>2MU47A</b>	HP Accessibility Assistant
<b>2TD64A</b>	HP Accessibility Kit
<b>3JN69A</b>	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
<b>4QL32A</b>	HP Legic Secure USB Reader
<b>5EL03A</b>	HP TAA Version Secure Hard Disk Drive
<b>B5L28A</b>	HP Internal USB Ports
<b>B5L29A</b>	HP High-Performance Secure Hard Disk
<b>B5L31A</b>	HP Foreign Interface Harness
<b>CC543B</b>	HP SmartCard NIPRNet Solution for US Government
<b>E5K48A</b>	HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM
<b>E5K49A</b>	HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
<b>F8B30A</b>	HP SmartCard SJPRNet Solution for US Government
<b>J8031A</b>	HP Jetdirect 2900nw Print Server
<b>X3D03A</b>	HP Universal USB Proximity Card Reader
<b>Y7C05A</b>	HP HIP2 Keystroke Reader
<b>2EH31A</b>	HP MFP Analog Fax 700 Accessory
<b>F8B30A</b>	HP Smartcard SJPRNet Solution
<b>T3V27A</b>	HP LaserJet 550-sheet Paper Tray
<b>T3V28A</b>	HP LaserJet Printer Stand
<b>T3V29A</b>	HP Color LaserJet 2x550-sheet Feeder and Stand
<b>T3V30A</b>	HP LaserJet 2700-sheet High Capacity Paper Tray and Stand

### Supplies

<b>W2010A</b>	HP 659A Black LaserJet Toner Cartridge (~16,000 pages)
<b>W2011A</b>	HP 659A Cyan LaserJet Toner Cartridge (~13,000 pages)
<b>W2012A</b>	HP 659A Yellow LaserJet Toner Cartridge (~13,000 pages)
<b>W2013A</b>	HP 659A Magenta LaserJet Toner Cartridge (~13,000 pages)
<b>W2010X</b>	HP 659X Black LaserJet Toner Cartridge (~34,000 pages)
<b>W2011X</b>	HP 659X Cyan LaserJet Toner Cartridge (~29,000 pages)
<b>W2012X</b>	HP 659X Yellow LaserJet Toner Cartridge (~29,000 pages)
<b>W2013X</b>	HP 659X Magenta LaserJet Toner Cartridge (~29,000 pages)
<b>W2004A</b>	HP 660A Original LaserJet Imaging Drum (~65,000 pages, universal for all 4 colors)
<b>J8J96A</b>	HP Staple Refill Cartridge (only for Z5 model)

### Services

<b>UC2X1E</b>	HP 5y NBD w/DMR CLJ Ent M776 SVC
<b>UC2X4E</b>	HP 5y 4h 9x5 w/DMR CLJ Ent M776 SVC
<b>UC2X7E</b>	HP 5y 4h 13x5 w/DMR CLJ Ent M776 SVC
<b>UC2Y0E</b>	HP 5y ChnlPartsOnly CLJ Ent M776 SVC
<b>UC2Y2PE</b>	HP 2y PW NBD w/DMR CLJ Ent M776 SVC
<b>UC2Y4PE</b>	HP 2y PW w/DMR 4h 9x5 CLJ Ent M776 SVC
<b>UC2Y6PE</b>	HP 2y PW w/DMR 4h 13x5 CLJ EntM776 SVC
<b>UC2Y8PE</b>	HP 2y PW ChnlPartsOnly CLJ Ent M776 SVC
<b>U9JT3E</b>	HP Inst SVC w/nw Department Printer





## HP Color LaserJet Enterprise MFP M776 series

Model	HP Color LaserJet Enterprise MFP M776dn	HP Color LaserJet Enterprise Flow MFP M776z	HP Color LaserJet Enterprise Flow MFP M776s
<b>Product number</b>	T3U55A	3WT91A	T3U56A
<b>AIO functions</b>	Print, copy, scan and optional fax	Print, copy, scan and fax	
<b>Print</b>			
<b>Print speed<sup>10,12,11</sup></b>	<b>Letter:</b> Up to 45 ppm Black; Up to 45 ppm Color; <b>2-sided:</b> Up to 45 ppm Black; Up to 45 ppm Color; <b>First page out:</b> As fast as 6.5 sec Black; As fast as 6.8 sec Color; <b>Print speed (Landscape, A5):</b> Up to 35 ppm Black; Up to 35 ppm Color		<b>Letter:</b> Up to 45 ppm Black; Up to 45 ppm Color; <b>2-sided:</b> Up to 45 ppm Black; Up to 45 ppm Color; <b>First page out:</b> As fast as 6.7 sec Black; As fast as 7.1 sec Color; <b>Print speed (Landscape, A5):</b> Up to 35 ppm Black; Up to 35 ppm Color
<b>Print resolution</b>	<b>Black (best)</b> Up to 1200 x 1200 dpi; <b>Black (normal)</b> Up to 600 x 600 dpi; <b>Black (fine lines)</b> Up to 1200 x 1200 dpi; <b>Color (best)</b> Up to 1200 x 1200 dpi; <b>Color (normal)</b> Up to 600 x 600 dpi; <b>Color (fine lines)</b> Up to 1200 x 1200 dpi		
<b>Print technology</b>	Laser; <b>Print resolution technology:</b> HP ImageREt 4800, Enhanced (600 x 600 dpi), Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi), Pantone Calibrated		
<b>Print cartridges number</b>	4 toner cartridges (1 each for black, cyan, magenta, yellow); 4 drum units (1 each for black, cyan, magenta, yellow)		
<b>Standard print languages</b>	HP PCL 6, HP PCL 5/HP PCL 5 driver available from the Web only; HP Postscript level 3 emulation, native PDF printing (v.1.7), Apple AirPrint™, Google Cloud Print		
<b>Printer smart software features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor		
<b>Printer management</b>	HP Device Toolbox; HP JetAdvantage Security Manager; HP Printer Assistant; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver: Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator		
<b>Scan</b>			
<b>Scan type / Technology</b>	<b>Type:</b> Flatbed, ADF; <b>Technology:</b> Charge Coupled Device (CCD) Flatbed; Contact Image Sensor (CIS) ADF		
<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>	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR)	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (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/A (OCR), HTML (OCR), CSV (OCR)	
<b>Scan input modes</b>	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB;	Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications; HP Scan or user application via TWIN	
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 34 in Maximum; 2.75 x 5 in Minimum; <b>Flatbed:</b> 11.7 x 17 in	<b>ADF:</b> 11.7 x 34 in Maximum; 2.75 x 5 in Minimum; <b>Flatbed:</b> 11.7 x 17 in	
<b>Scan speed<sup>15</sup></b>	Up to 90 ppm (b&w), up to 90 ppm (color) <b>Duplex:</b> Up to 180 ppm (b&w), up to 180 ppm (color)	Up to 120 ppm (b&w), up to 120 ppm (color) <b>Duplex:</b> Up to 240 ppm (b&w), up to 240 ppm (color)	
<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>Scan File Format:</b> Hi-compression PDF; JPG; MTIFF; PDF; PDF/A; TIFF; XPS; HP scan supports: JPG, RAW(BMP), PDF, Searchable PDF, PDF/A, TIFF; PNG; RTF; PNG, RTF, TXT	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; HP EveryPage; Auto Orientation; Embedded Optical Character Recognition (OCR). Auto crop to page; Auto-tone; <b>Scan File Format:</b> Hi-compression PDF; JPG; MTIFF; PDF; PDF/A; TIFF; XPS; HP scan supports: JPG, RAW(BMP), PDF, Searchable PDF, PDF/A, TIFF; PNG, RTF, TXT	
<b>Bit depth / Grayscale levels</b>	24-bit; Internal: 48-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 Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop to Content; Compact PDF	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; 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; OCR	
<b>Copy</b>			
<b>Copy speed<sup>9</sup></b>	<b>Black (ISO):</b> Up to 46 cpm; <b>Color (ISO):</b> Up to 46 cpm; <b>First copy out:</b> As fast as 5.6 sec Black; As fast as 7.7 sec Color; <b>2-sided:</b> Up to 45 ppm Black; Up to 45 ppm Color	<b>Black (ISO):</b> Up to 46 cpm; <b>Color (ISO):</b> Up to 46 cpm; <b>First copy out:</b> As fast as 6.7 sec Black; As fast as 8.8 sec Color; <b>2-sided:</b> Up to 45 ppm Black; Up to 45 ppm Color	
<b>Copy resolution</b>	<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, job build, edge-to-edge, job storage, ID Copy, Book Copy, A-to-B Copy (different media sizes)		
<b>Fax</b>			
<b>Fax speed</b>		Up to: 33.6 kbps / <b>Letter:</b> 26 sec per page	
<b>Fax resolution</b>		<b>Black (best):</b> Up to 300 x 300 dpi; <b>Black (standard):</b> 203 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>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 TMI interface supported:</b> No; <b>Fax polling supported:</b> No; <b>Fax telephone mode supported:</b> No; <b>Junk barrier supported:</b> Yes; up to 30 numbers may be blocked; <b>Maximum speed dialing numbers:</b> Up to 1000 numbers; <b>PC interface supported:</b> Yes, software not included; <b>Remote retrieval capability supported:</b> No; <b>Telephone handset supported:</b> No	
<b>Connectivity</b>			
<b>Standard connectivity</b>	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 rear host ports; 1 walkup USB 2.0 host port; 1 Gigabit/Ethernet network port; 10/100/1000 Base-TX network port; 1 Hardware Integration Pocket 2nd generation (HIP2)	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 rear host ports; 1 walkup USB 2.0 host port; 1 Gigabit/Ethernet network port; 10/100/1000 Base-TX network port; 1 Hardware Integration Pocket 2nd generation (HIP2); Wireless 802.11n/BLE	
<b>Network capabilities</b>	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-1, 100Base-Tx, 1000Base-T, 802.3az (EEE) supported on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional), second Ethernet port (optional)	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T, 802.3az (EEE) supported on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (standard), second Ethernet port (optional)	
<b>Wireless capability</b>	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Yes, built-in Embedded WiFi with Dual band Wireless Station and Wi-Fi Direct functionality and BLE. Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A; NFC functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A	
<b>Mobile printing capability</b>	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Room capable for easy printing		
<b>Memory<sup>9</sup></b>	<b>Standard:</b> 3.0 GB; <b>Maximum:</b> 3.0 GB	<b>Standard:</b> 5.0 GB; <b>Maximum:</b> 5.0 GB	
<b>Processor speed</b>	1.2 GHz / <b>Storage:</b> Standard, 500 GB SED Hard Disk / <b>Hard disk:</b> Standard, 500 GB High-Performance SED Hard Disk (AES 256 hardware encryption or greater)		
<b>Duty cycle (monthly)<sup>13</sup></b>	<b>Letter:</b> up to 200,000 pages; <b>Recommended monthly page volume<sup>13</sup>:</b> up to 40,000 pages		
<b>Paper handling</b>			
<b>Input</b>	100-sheet multi-purpose tray, 1x 550 sheet paper tray, Up to 650 sheets (MP Tray); Up to 100 sheets; Tray 2; Up to 550 sheets; Standard; Up to 10 envelopes	100-sheet multi-purpose tray, 2x 550 sheet paper trays, 2x550 sheet paper tray and stand; Up to 2300 sheets (MP Tray); Up to 100 sheets; Tray 2; Up to 550 sheets; 550-sheet paper tray; up to 550 sheets; 2x550-sheet tray and stand; up to 1100 sheets; Standard; Up to 10 envelopes	100-sheet multi-purpose tray, 1x 550 sheet paper tray, 2x550 sheet paper tray and stand; Up to 1750 sheets (MP Tray); up to 100 sheets; Tray 2; up to 550 sheets; 2x550 input tray and stand; up to 1100 sheets; Standard; Up to 10 envelopes
<b>Output</b>	<b>Standard:</b> 500 sheet output tray; Up to 500 sheets Standard; <b>Transparencies:</b> Up to 50 sheets; Up to 10 envelopes		<b>Standard:</b> 700 sheets; 500 sheet output tray and 200 sheet Inline 2 bin stapler/stacker (also includes convenience stapler); Up to 700 sheets Standard; <b>Transparencies:</b> Up to 50 sheets; Up to 10 envelopes
<b>Duplex Options</b>	Automatic (standard)		
<b>Auto document feeder capacity</b>	Standard, 200 sheets		
<b>Envelope feeder</b>	No		
<b>Standard paper trays</b>	2	5	4
<b>Media types</b>	Paper (plain, heavy, extra heavy, glossy, light, recycle, tough), envelopes, labels, glossy film, cardstock, transparencies		
<b>Media weight</b>	100-sheet multipurpose Tray 1: 16 to 80 lb, 550-sheet input Tray 2: 16 to 68 lb, 1x550 and 2x550 tray and stand; 16 to 68 lb, Optional 2700-sheet HCI paper tray and stand; 16 to 68 lb	100-sheet multipurpose Tray 1: 16 to 80 lb, 550-sheet input Tray 2: 16 to 68 lb, 1x550 and 2x550 tray and stand; 16 to 68 lb	100-sheet multipurpose Tray 1: 16 to 80 lb, 550-sheet input Tray 2: 16 to 68 lb, 2x550 tray and stand; 16 to 68 lb
<b>Media sizes</b>	100-sheet multipurpose Tray 1: Statement, 3 x 5 index card, 4 x 6 index card, 5 x 7 index card, 5 x 8 index card, Letter, Letter-R, Legal, Executive, 11 x 17 in, 8.5 x 13, 12 x 18, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in; Optional 1x550 and 2x550 tray and stand; Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in, 12 x 18; Optional 2700-sheet HCI paper tray and stand; Letter	100-sheet multipurpose Tray 1: Statement, 3 x 5 index card, 4 x 6 index card, 5 x 7 index card, 5 x 8 index card, Letter, Letter-R, Legal, Executive, 11 x 17 in, 8.5 x 13, 12 x 18, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in; 1x550 and 2x550 tray and stand; Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in, 12 x 18	100-sheet multipurpose Tray 1: Statement, 3 x 5 index card, 4 x 6 index card, 5 x 7 index card, 5 x 8 index card, Letter, Letter-R, Legal, Executive, 11 x 17 in, 8.5 x 13, 12 x 18, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in; 1x550 and 2x550 tray and stand; Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in, 12 x 18
<b>Media Sizes Custom</b>	100-sheet multipurpose Tray 1: 2.5 x 5 to 12.6 x 18 in; 550-sheet input Tray 2: 5.8 x 5.8 to 11.7 x 17 in; Optional 1x550 and 2x550 tray and stand; 5.8 x 5.8 to 12.6 x 18 in; Optional 2700-sheet HCI paper tray and stand; 11 x 8.27 to 11.7 x 8.95 in	100-sheet multipurpose Tray 1: 2.5 x 5 to 12.6 x 18 in; 550-sheet input Tray 2: 5.8 x 5.8 to 11.7 x 17 in; 1x550 and 2x550 tray and stand; 5.8 x 5.8 to 12.6 x 18 in	100-sheet multipurpose Tray 1: 2.5 x 5 to 12.6 x 18 in; 550-sheet input Tray 2: 5.8 x 5.8 to 11.7 x 17 in; 2x550 tray and stand; 5.8 x 5.8 to 12.6 x 18 in
<b>Dimensions (w x d x h)<sup>4</sup></b>	23.03 x 26.10 x 27.95 in; <b>Maximum:</b> 36.26 x 26.10 x 27.95 in	23.03 x 28.03 x 45.67 in; <b>Maximum:</b> 44.88 x 35.51 x 45.67 in	27.76 x 28.03 x 45.47 in; <b>Maximum:</b> 45.28 x 35.51 x 45.47 in
<b>Weight<sup>5</sup></b>	156.3 lb	254.6 lb	289.2 lb
<b>What's in the box<sup>3</sup></b>	HP Color LaserJet Enterprise MFP M776dn printer; HP Black Original LaserJet Toner Cartridge (~16,000 pages), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~13,000 pages each), and 4 HP Original LaserJet Imaging Drums (~65,000 pages each color); Getting started Guide; 1 Power cord	HP Color LaserJet Enterprise Flow MFP M776z printer; HP Black Original LaserJet Toner Cartridge (~16,000 pages), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~13,000 pages each), and 4 HP Original LaserJet Imaging Drums (~65,000 pages each color); Getting started Guide; 1 Power cord	HP Color LaserJet Enterprise Flow MFP M776s printer; HP Black Original LaserJet Toner Cartridge (~16,000 pages), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~13,000 pages each), and 4 HP Original LaserJet Imaging Drums (~65,000 pages each color); Getting started Guide; 1 Power cord
<b>Replacement cartridges<sup>7</sup></b>	W2010A HP 659A Black LaserJet Toner Cartridge (~16,000 pages); W2011A HP 659A Cyan LaserJet Toner Cartridge (~13,000 pages); W2012A HP 659A Magenta LaserJet Toner Cartridge (~13,000 pages); W2013A HP 659A Yellow LaserJet Toner Cartridge (~13,000 pages); W2014X HP 659X Black LaserJet Toner Cartridge (~34,000 pages); W2011X HP 659X Cyan LaserJet Toner Cartridge (~29,000 pages); W2012X HP 659X Magenta LaserJet Toner Cartridge (~29,000 pages); W2013X HP 659X Yellow LaserJet Toner Cartridge (~29,000 pages); W2004A HP 660A Original LaserJet Imaging Drum (~65,000 pages, universal for all 4 colors)		
<b>Warranty features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contract Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (Warranty Code 4G; Warranty ID A001)		
<b>Energy efficiency compliance<sup>2</sup></b>	ENERGY STAR® qualified; EPEAT® Silver; CECP	CECP; ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#201 option only)	ENERGY STAR® qualified; EPEAT® Silver; CECP; EPEAT® Gold (#AAZ, #201 options only)
<b>Control panel</b>	9.0-inch functional touchscreen with 8.0-in (20.3 cm) color graphic display, rotating (adjustable angle); job control buttons; LED Home button; Hardware Integration Pocket; easy access USB		
<b>Display</b>	9.0-inch functional touchscreen with 8.0-in (20.3 cm), (1024x768) LCD (color graphics), smooth gesture, enabled touchscreen		
<b>Software included</b>	No software solutions are included in the box only on http://hp.com, http://123.hp.com		
<b>Fonts and typefaces</b>	105 internal TrueType fonts scalable in HP PCL, Barcode font variants (Code 39, 12 of 5, UPC/EAN, Code 128, OCR-A/OCR-B), 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono World type); 2 internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party font software cards; HP LaserJet Fonts and IPDS Emulation available at hp.com/go/laserjetfonts		
<b>Compatible operating systems</b>	Windows Client OS (32/64 bit): Win10, Win8.1, Win7 Starter Edition SP1, UPD Win7 Ultimate; Mobile OS: iOS, Android; Apple® macOS Mojave v10.14, Mac Apple® macOS Catalina v10.15; Discrete PCL6 Printer Driver: For more information on the supported operating systems go to http://support.hp.com. Enter your product name and search. Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://support.hp.com. Enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers; Supported Operating Systems: For more information on the supported operating systems see www.hp.com/go/udp		
<b>Compatible network operating systems</b>	Windows Server 2008 R2 64-bit; Windows Server 2008 R2 64-bit (SP1); Windows Server 2012 64-bit; Windows Server 2012 R2 64-bit; Windows Server 2016 64-bit; Windows Server 2019 64-bit; Follower Cluster 2008 R2; Follower Cluster 2012 R2; Terminal Server 2008 R2; Remote Desktop server 2012 R2; Citrix XenApp 6.5; Citrix XenApp 8; XenDesktop 7.6; Novell iPrint server; Citrix Ready Kit Certification; Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com; Linux: For more information see http://developers.hp.com/linux-imaging-and-printing/Unix; For more information see http://developers.hp.com/go/unixmodelscripts; Linux: For more information see http://developers.hp.com/linux-imaging-and-printing/Unix; For more information see http://developers.hp.com/go/unixmodelscripts; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://support.hp.com. Enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers; Supported Operating Systems: For more information on the supported operating systems see www.hp.com/go/udp		
<b>Minimum system requirements</b>	PC2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com; Mac2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com		
<b>Power<sup>14</sup></b>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power supply required:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz); 60 Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power consumption:</b> 900 watts (printing), 100 watts (Ready), 0.80 watts (Sleep), 0.80 watts (HP Auto-Off/Auto On), 0.07 watts (Auto-Off), 0.07 watts (Off); <b>Typical electricity consumption (TEC) number:</b> 2.470 kWh/Week (BA), 0.734 kWh/Week (ES, Ver. 3.0)		
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.7 B(A) (printing at 46 ppm)	<b>Acoustic power emissions:</b> 6.7 B(A) (printing at 46 ppm)	<b>Acoustic power emissions:</b> 6.9 B(A) (printing at 46 ppm)
<b>Operating environment</b>	<b>Operating temperature range:</b> 50 to 90.5°F; <b>Recommended operating temperature range:</b> 59 to 80.6°F; <b>Storage temperature range:</b> -4 to 104°F; <b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 75% RH		
<b>Security management</b>	Management security: SNMPv3; Web Services over port 7627; SSL/TLS TLS 1.0/1.1/1.2; FIPS 140-2; Certificate Management; Embedded Web Server; WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WIA-10 IPsec Configuration using IPsec Plug-in		

<sup>1</sup> Optional 500 GB TAA Version Secure Hard Disk Drive 5EL03A

<sup>2</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

<sup>3</sup> Standard cartridges included; yields 16,000 black and 13,000 color composite (C/M/Y) pages. Average black and color composite (C/M/Y) declared toner 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/learnaboutsplies>.

<sup>4</sup> With no accessories and multi-purpose tray closed

<sup>5</sup> With print cartridges

<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. Power consumption values typically based on measurement of 115V device.

<sup>7</sup> Average black and color composite (C/M/Y) declared toner 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/learnaboutsplies>.

<sup>8</sup> First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183 Duplex Copy Speed measured using ISO/IEC 24735 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 and document complexity.

<sup>9</sup> The Configuration Page memory size report does not change even with 1 GB or 2 GB DIMM installed. This is current expected behavior.

<sup>10</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>11</sup> Measured using ISO 24734 Feature Test A5 Landscape Feed. Speed may vary based on content PC media orientation and media type.

<sup>12</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>13</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>14</sup> BA TEC is equal to Best TEC. 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 Version 3.0 TEC is not comparable to Energy Star Version 2.0 TEC values or BA TEC values. BA uses Energy Star Version 2.0 TEC. Energy Star value typically based on measurement of 115V device.

<sup>15</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution network conditions computer performance and application software.

To learn more, visit [hp.com](http://hp.com)

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4AA7-6155ENUC, September 2019





# LaserJet Enterprise 700 M712 printer series

## M712n • M712dn • M712xh

Enable high-volume, black-and-white printing on paper sizes up to A3—with input capacity up to 4600 sheets.<sup>2</sup> Control costs with energy-saving features and two-sided printing.<sup>8</sup> Protect sensitive business data and centrally manage printing policies.

**Print speed (black):**<sup>1</sup> Up to 40 ppm (Letter)

**Print resolution:** Best: Up to 1200 x 1200 dpi; Normal: HP FastRes 1200 (1200 dpi effective quality), 600 dpi with HP Resolution Enhancement technology 1200

**Standard connectivity:** 2 Hi-Speed USB 2.0, 1 Hi-Speed USB 2.0 Device, 1 Gigabit Ethernet 10/100/1000 Base-T, 1 Hi-Speed USB 2.0 Easy Access Walkup Port, 1 Hardware Integration Pocket (HIP)

**Duty cycle:** Up to 100,000 pages

**Paper handling:** 100-sheet multipurpose tray, 2 x 250-sheet input trays, 500-sheet input tray (only on M712xh), 250-sheet output bin

**Mobile printing capability:** HP ePrint, Apple AirPrint™



(HP LaserJet Enterprise 700 Printer M712xh)

### Upsize and accelerate—fast A3 printing

- Save time and keep business moving with blazing-fast printing from this black-and-white A3 workgroup printer.
- Expand black-and-white printing options on paper sizes up to A3 and near edge-to-edge printing.
- Boost productivity—reload paper less often with up to 4600-sheet capacity for high-volume printing.<sup>2</sup>
- Replace toner cartridges easily. Choose high-capacity Original HP toner cartridges for frequent printing.<sup>3</sup>



(HP LaserJet Enterprise 700 Printer M712n)

### Conserve resources and help control costs

- Save energy—Auto On/Auto Off turns your printer on when you need it, and off when you don't.<sup>9</sup>
- Reduce paper use up to 50% with automatic two-sided printing<sup>8</sup> on this ENERGY STAR<sup>®</sup> qualified printer.
- Original HP toner cartridges are easily recycled—for free—through HP Planet Partners.<sup>4</sup>

### Simplify IT management and safeguard data

- Boost printing and imaging safeguards and help protect business data with fleet-level security solutions.
- Safeguard confidential data stored on the printer, with the installed HP High-Performance Secure Hard Disk.<sup>5</sup>
- Centralize printer management—HP Web Jetadmin helps you monitor equipment and increase uptime.<sup>10</sup>
- Add security solutions—such as card and badge readers—through the hardware integration pocket.<sup>7</sup>



(HP LaserJet Enterprise 700 Printer M712dn)

### Invest in a forward-thinking, easy-to-use solution

- Extend the value of your investment—easily update and expand device capabilities with HP FutureSmart Firmware.
- HP ePrint—print from your smartphone or tablet from virtually anywhere.<sup>6</sup>
- Manage jobs at the color control panel. The easy-access USB port lets you print from a flash drive.

## ecoHIGHLIGHTS

HP LaserJet Enterprise 700 M712 printer series

### ECO INFORMATION

- Save energy—HP Auto-On/Auto-Off Technology turns the printer On when you need it, Off when you don't.<sup>1</sup>
- Save paper by up to 50% with automatic two-sided printing.<sup>3</sup>
- Free, convenient cartridge recycling in more than 50 countries.<sup>2</sup>



ENERGY STAR<sup>®</sup> Qualified Product<sup>2</sup>

<sup>1</sup> HP Auto-On and Auto-Off capabilities subject to printer and settings.

<sup>2</sup> Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries, territories and regions in Asia, Europe, and North and South America through the HP Planet Partners program. For more information, visit: [hp.com/recycle](http://hp.com/recycle).

<sup>3</sup> dn and xh bundles only.

### [hp.com/ecosolutions](http://hp.com/ecosolutions)

Please recycle your computing hardware and printing supplies. HP asset management and recycling services make responsible disposal easy.

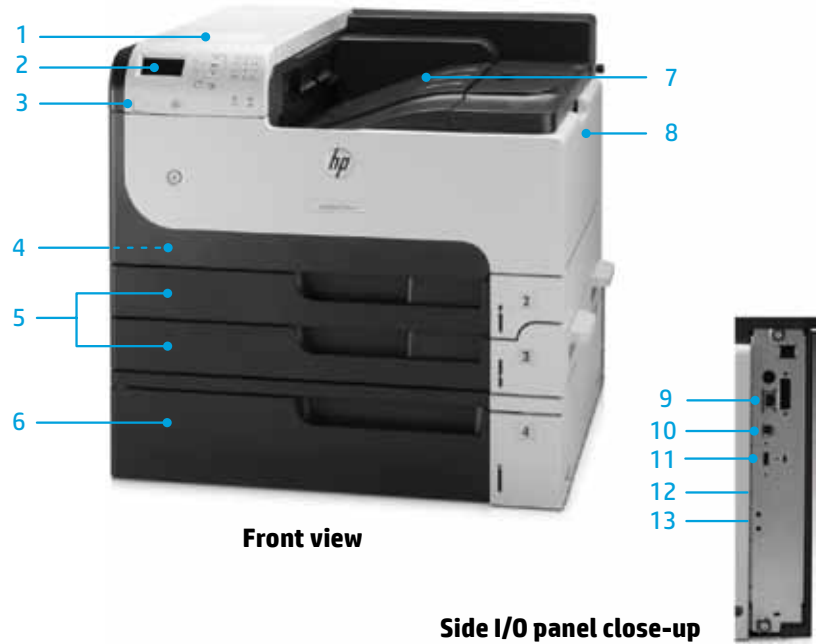


<sup>1</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>2</sup> The base paper capacity of the HP LaserJet Enterprise 700 printer M712n and M712dn is 600 sheets (2 x 250-sheet trays and one 100-sheet multipurpose tray). The base paper capacity of the HP LaserJet Enterprise 700 printer M712xh is 1100 sheets (2 x 250-sheet trays, 1 x 100-sheet multipurpose tray, and 1 x 500-sheet tray). With optional accessories, the maximum capacity is 4600 sheets. <sup>3</sup> The HP LaserJet CE390X black toner cartridge is not included; please purchase separately. <sup>4</sup> Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries, territories, and regions in Asia, Europe, and North and South America through the HP Planet Partners program. For more information, visit: [hp.com/recycle](http://hp.com/recycle). <sup>5</sup> The HP High-Performance Secure Hard Disk is only available on the HP LaserJet Enterprise 700 M712xh printer. <sup>6</sup> Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see [hp.com/go/eprintcenter](http://hp.com/go/eprintcenter)). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades. <sup>7</sup> Solutions deployed through the hardware integration pocket may require additional purchase. <sup>8</sup> Automatic two-sided printing on the M712n requires purchase of optional duplex accessory. <sup>9</sup> HP Auto-On and Auto-Off capabilities subject to printer and settings. <sup>10</sup> HP Web Jetadmin is free and can be downloaded at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).

# HP LaserJet Enterprise 700 M712 printer series

- 1 Hardware integration pocket for solution integration
- 2 Intuitive 4-line color display with 10-button keypad
- 3 Easy-access USB port to save and print files directly
- 4 Built-in automatic two-sided printing
- 5 Two 250-sheet input trays for letter and legal size media
- 6 500-sheet input tray for a 1,100 total input capacity
- 7 250-sheet output bin
- 8 100-sheet multipurpose tray 1 handles heavy custom media up to 53 lb bond
- 9 HP Jetdirect Gigabit Ethernet print server
- 10 Hi-Speed USB 2.0 printing port
- 11 Hi Speed USB 2.0 port (for connecting third party devices)
- 12 800 MHz processor, 512 MB standard memory
- 13 HP High Performance Secure Hard Disk

HP LaserJet Enterprise 700 M712xh printer shown



## Series at a glance



	<b>M712n</b>	<b>M712dn</b>	<b>M712xh</b>
<b>Part number</b>	CF235A	CF236A	CF238A
<b>Print speeds</b>	Up to 40 ppm (letter)	Up to 40 ppm (letter)	Up to 40 ppm (letter)
<b>Control panel</b>	4-line color display, 10 key pad	4-line color display, 10 key pad	4-line color display, 10 key pad
<b>Hardware integration pocket</b>	✓	✓	✓
<b>100-sheet multipurpose tray 1</b>	✓	✓	✓
<b>250-sheet tray 2</b>	✓	✓	✓
<b>250-sheet tray 3</b>	✓	✓	✓
<b>500-sheet tray 4</b>	Optional	Optional	✓
<b>Automatic two-sided printing</b>	Optional	✓	✓
<b>Toner cartridges supported</b>	Regular (~10,000 pages) and high-capacity (~17,500 pages)	Regular and high capacity	Regular and high capacity
<b>HP High Performance Secure Hard Disk</b>	Not available	Not available	✓
<b>ENERGY STAR® qualified</b>	Not available	✓	✓

# Top features

Get fast black-and-white printing up to A3—with energy-saving features and security controls.

Boost your productivity and potential with fast, black-and-white A3 printing and input paper capacity up to 4600 sheets.<sup>1</sup> Expand your workteam's options with two-sided printing nearly to the edge of the page.

Save energy and help keep printing costs in check. Auto On/Auto Off and Instant-on Technology help conserve energy,<sup>4,5</sup> and automatic two-sided printing reduces paper use.<sup>3</sup> Management tools help optimize printing efficiency across your workteam.

Robust security features safeguard sensitive data. Award-winning management tools such as HP Web Jetadmin help optimize company-wide printing policies and trim operating costs.<sup>6</sup> Centrally manage security policies, and update solutions.

Deploy new solutions and update device features with ease. Print from mobile devices with HP ePrint.<sup>2</sup> Robust management tools help optimize fleet-wide printing policies and trim operating costs.

## Get the most out of your printer with HP accessories, supplies, and services.

### HP services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. Choose from:

**Optimized Care** (optimum performance and stability):  
4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

**Standard Care** (high level of uptime)  
Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

**Basic Care** (minimum recommended support)  
Next Business Day Onsite Support

**4 hr Onsite Support:** Onsite support within four hours after a service call received within the coverage window

**Next Business Day Onsite Support:** Onsite service the next business day after the service call is received

**Maintenance Kit Replacement Service:** Onsite replacement of your printer's maintenance kit including parts, materials, and labor

**Installation with Network Configuration Service:** Assembly, network configuration, and basic administrator familiarization

For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit [hp.com/go/printservices](http://hp.com/go/printservices)

### Printers

HP LaserJet Enterprise 700 Printer M712n	CF235A
HP LaserJet Enterprise 700 Printer M712dn	CF236A
HP LaserJet Enterprise 700 Printer M712xh	CF238A

### HP LaserJet print cartridges

HP 14A Black LaserJet Toner Cartridge (~10,000 yield)	CF214A
HP 14X Black LaserJet Toner Cartridge (~17,500 yield)	CF214X

### Accessories

HP LaserJet 3500-sheet HCI Feeder and Stand	CF245A
HP LaserJet Duplex Printing Assembly	CF240A
HP LaserJet 110V Maintenance/Fuser Kit	CF249A
HP LaserJet 220V Maintenance/Fuser Kit	CF254A
HP 512 MB 144-pin x32 DDR2 DIMM	CE483A

### HP Service and support

HP 3-year Next Business Day + DMR LaserJet M712 HW Support	U6Z05E
HP 4-year Next Business Day + DMR LaserJet M712 HW Support	U6Z06E
HP 5-year Next Business Day + DMR LaserJet M712 HW Support	U6Z07E
HP 3-year 4 hour 9x5 LaserJet M712 HW Support	U6Y99E
HP 4-year 4 hour 9x5 LaserJet M712 HW Support	U6Z01E
HP 5-year 4 hour 9x5 LaserJet M712 HW Support	U6Z03E
HP 1-year Post Warranty 4 hour 9x5 LaserJet M712 Support	U6Z22PE
HP 1-year Post Warranty Next Business Day + DMR LaserJet M712 Support	U6Z24PE

### Connectivity

HP Jetdirect 2700w USB Wireless Print Server	J8026A
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### Paper

[hp.com/go/paper](http://hp.com/go/paper)

### Software

HP Web Jetadmin: <a href="http://hp.com/go/wja">hp.com/go/wja</a>
HP Universal Print Driver: <a href="http://hp.com/go/upd">hp.com/go/upd</a>
HP Install Network Printer Wizard: <a href="http://hp.com/go/inpw_sw">hp.com/go/inpw_sw</a>

<sup>1</sup> The base paper capacity of the HP LaserJet Enterprise 700 printer M712n and M712dn is 600 sheets (2 x 250-sheet trays and one 100-sheet multipurpose tray). The base paper capacity of the HP LaserJet Enterprise 700 printer M712xh is 1100 sheets (2 x 250-sheet trays, 1 x 100-sheet multipurpose tray, and 1 x 500-sheet tray). With optional accessories, the maximum capacity is 4600 sheets. <sup>2</sup> Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see [hp.com/go/eprintcenter](http://hp.com/go/eprintcenter)). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades. <sup>3</sup> Automatic two-sided printing on the M712n requires purchase of optional duplex accessory. <sup>4</sup> HP Auto-On and Auto-Off capabilities subject to printer and settings. <sup>5</sup> Compared with products that use traditional fusing. <sup>6</sup> HP Web Jetadmin is free and can be downloaded at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).



# HP LaserJet Enterprise 700 M712 printer series

Technical specifications	HP LaserJet Enterprise 700 Printer M712n (CF235A)	HP LaserJet Enterprise 700 Printer M712dn (CF236A)	HP LaserJet Enterprise 700 Printer M712xh (CF238A)
Print speed <sup>1</sup>	Black (normal, letter): Up to 40 ppm; Duplex (letter): Up to 26 ipm		
First page Out	Black (letter, ready): As fast as 10.5 sec; Black (letter, sleep): As fast as 23.5 sec		
Print technology	Laser		
Print resolution	Black (best): Up to 1200 x 1200 dpi; Black (normal): HP FastRes 1200 (1200 dpi effective quality), 600 dpi with HP Resolution Enhancement technology		
Print resolution technologies	HP ProRes 1200, HP FastRes 1200, HP RET, 600 dpi, 300 dpi		
Printer Smart Software Features	HP ePrint, Apple AirPrint™, HP Auto On/Auto Off technology, FutureSmart Firmware, Hardware Integration Pocket, Easy Access USB		
HP ePrint capability	Yes		
Mobile Printing capability	HP ePrint, Apple AirPrint™		
Control Panel	2-in, 4-line LCD (color text and graphics); job control buttons; LED status indicators; 10-button keypad, Hardware Integration Pocket; easy access USB		
Processor speed	800 MHz		
Display	2-in, 4-line LCD (color text and graphics)		
Memory	Standard: 512 MB; Maximum: 1 GB		
Durability ratings	Duty cycle: <sup>2</sup> Up to 200,000 pages; Recommended monthly page volume: <sup>3</sup> 5,000 to 20,000 pages		
Paper			
Input	100-sheet multipurpose tray, 2 x 250-sheet input trays		100-sheet multipurpose tray, 2 x 250-sheet input trays, 500-sheet input tray
Output	250-sheet output bin		
Duplex Print Options	Manual (driver support provided)	Automatic (standard)	
Media Types	Paper (color, letterhead, light, plain, preprinted, prepunched, recycled, rough, tough paper), bond, cardstock, envelope, labels, transparency, vellum		
Media Sizes	Tray 1: Letter, legal, executive, 8.5 x 13 in, 11 x 17 in; Tray 2: Letter, legal, executive, 8.5 x 13 in; Tray 3: Letter, legal, executive, 8.5 x 13 in, 11 x 17 in		Tray 1: Letter, legal, executive, 8.5 x 13 in, 11 x 17 in; Tray 2: Letter, legal, executive, 8.5 x 13 in; Tray 3: letter, legal, executive, 8.5 x 13 in, 11 x 17 in; Tray 4: letter, letter-R, legal, executive, 8.5 x 13 in, 11 x 17 in, 16K
Media Weight	Tray 1: 16 to 53 lb; Tray 2, 3: 16 to 32 lb		Tray 1: 16 to 53 lb; Tray 2, 3, 4: 16 to 32 lb
Connectivity			
Interfaces	2 Hi-Speed USB 2.0, 1 Hi-Speed USB 2.0 Device, 1 Gigabit Ethernet 10/100/1000 Base-T, 1 Hi-Speed USB 2.0 Easy Access Walkup Port, 1 Hardware Integration Pocket (HIP)		
Languages	HP PCL 6, HP PCL 5e, HP Postscript 3 emulation, native PDF printing (v 1.4)		
Network Capabilities	Via HP Jetdirect 10/100/1000Base-TX Ethernet embedded print server (standard); 802.3az (EEE); IPsec (standard); 802.11b/g/n wireless networking (optional)		
Network Ready	Standard (built-in Ethernet)		
Operating systems	Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP (SP2+), Windows Server 2008 (32 and 64-bit), Windows Server 2008 R2 (64-bit); Mac OS X v10.6, 10.7; For the latest operating system support see: Citrix and Windows Terminal Services ( <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a> ); Novell (novell.com/iprint); Linux (hplip.net); UNIX (hp.com/go/unix, hp.com/go/unixmodelscripts, hp.com/go/jetdirectunix_software); SAP device types (hp.com/go/sap/drivers, hp.com/go/sap/print); HP ePrint Mobile Driver (hp.com/go/eprintmobiledriver)		
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		
Security	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		
Dimensions (w x d x h)	22.4 x 23.4 x 15.4 in (568 x 596 x 392 mm) Maximum: 33.8 x 38.9 x 15.4 in (858 x 989 x 392 mm)		22.4 x 23.4 x 20.4 in (568 x 596 x 517 mm) Maximum: 33.8 x 38.9 x 20.4 in (858 x 989 x 517 mm)
Weight	76.5 lb (34.7 kg)	84.8 lb (38.5 kg)	109.8 lb (49.8 kg)
Minimum system requirements	PC: Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP (SP2+), Windows Server 2003 (SP1+), Windows Server 2008, Windows Server 2008 R2; 200 MB available hard disk space; operating system compatible hardware system requirements, see <a href="http://www.microsoft.com">http://www.microsoft.com</a>		
What's in the box	HP LaserJet Enterprise 700 M712n Printer (includes built-in HP Jetdirect Gigabit Ethernet embedded print server); HP Black LaserJet Toner Cartridge (~10,000 pages); Getting Started Guide, CD containing drivers and electronic documentation; Power cord	HP LaserJet Enterprise 700 M712dn Printer (includes built-in automatic two-sided printing and HP Jetdirect Gigabit Ethernet embedded print server); HP Black LaserJet Toner Cartridge (~10,000 pages); Getting Started Guide, CD containing drivers and electronic documentation; Power cord	HP LaserJet Enterprise 700 M712xh Printer (includes built-in automatic two-sided printing, HP Jetdirect Gigabit Ethernet embedded print server, and High-Performance Secure 250 GB Hard Disk); HP Black LaserJet Toner Cartridge (~10,000 pages); Getting Started Guide, CD containing drivers and electronic documentation; Power cord; 500-sheet input tray
Warranty	One-year, on-site warranty		

## Environmental ranges

Temperature range	Operating: 50 to 91° F (10 to 32.5° C) Recommended: 50 to 91° F (10 to 32.5° C) Storage: 32 to 140° F (0 to 60° C)
Humidity range	Operating: 20 to 80% RH Recommended: 30 to 70% RH Non-operating: 10 to 90% RH

## Acoustic<sup>4</sup>

Power Emissions	6.8 B(A)
Power Emissions (ready)	Inaudible
Pressure Emissions Bystander (active, printing)	54 dB(A)
Pressure Emissions Bystander (ready)	Inaudible

## Power

Power Supply Type	Built-in power supply
Power Supply required	Input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)
Power Consumption <sup>5</sup>	786 watts (Printing), 22.1 watts (Ready), 6.1 watts (Sleep), 0.21 watts (Off)
Typical Electricity Consumption (TEC)	2.95 kWh/Week

## Safety approvals and requirements

IEC 60950-1:2005 +A1; EN60950-1: 2006 +A11:2009 +A1:2010 +A12:2011; IEC 60825-1:2007 (Class 1 Laser/Led Product); EN 60825-1:2007 (Class 1 Laser/LED Product); UL/cUL Listed (USA/Canada); GS Certificate (Germany, Europe); IEC 62479:2010; EN 62479:2010; Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries	
Electromagnetic emission standard	CISPR 22:2008 / EN 55022:2010 (Class A); EN 61000-3-2 :2006 +A1:2009 +A2:2009; EN 61000-3-3 :2008; EN 55024:1998 +A1 +A2; FCC Title 47 CFR, Part 15 Class A(USA); ICES-003, Issue 4 (Canada); EMC Directive 2004/108/EC with CE Marking (Europe); other EMC approvals as required by individual countries

<sup>1</sup> Measured using ISO/IEC 24734, 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>2</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>3</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>4</sup> Acoustic values are subject to change. For current information see [hp.com/support](http://hp.com/support). Configuration tested: M712dn model, simplex printing, A4 paper at an average of 41 ppm.  
<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. Values subject to change, see [hp.com/support](http://hp.com/support) for current information.



To learn more, visit [hp.com](http://hp.com)

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# HP Color LaserJet Enterprise flow M880 Multifunction Printer series



**Streamline and accelerate workflows across your business with a top-of-the-line enterprise MFP.**

This top-of-the-line enterprise MFP helps streamline workflows and accelerate document tasks—with advanced finishing options and file sharing. Give users simple, direct access to this MFP through mobile printing and touch-to-print capabilities.<sup>6</sup>



**HP Color LaserJet Enterprise flow M880z Multifunction Printer**



**HP Color LaserJet Enterprise flow M880z+ NFC/Wireless Direct MFP Printer**

### **Give workgroups the speed they need**

- Let departments scan without worry. HP EveryPage detects potential errors or missed pages on the spot.
- Manage content in a way you never thought possible with HP Flow CM Enterprise.<sup>2</sup>
- Forget email. Let employees scan and send documents to Microsoft® SharePoint® in one step.
- Make it easy to be efficient with an intuitive touchscreen and large pull-out keyboard.

### **Keep business moving**

- Save on both sides—capture documents faster with two-sided, single-pass scanning.
- Create easily searchable scanned files, using built-in optical character recognition software.
- Save IT time and make printing easy for the entire company by using a single driver for all HP devices.<sup>3</sup>
- Let employees bind big jobs faster using the built-in finishing options.<sup>5</sup>

### **Mobile printing—more efficient**

- Mobile printing at a touch—enable touch-to-print convenience from mobile devices.<sup>1</sup>
- Let employees print from mobile devices with built-in print capability or HP ePrint app and software.<sup>6</sup>
- Give users the power to print wirelessly from an iPad®, iPhone®, or iPod touch®.<sup>4</sup>

### **Invest once, expand easily, and manage efficiently**

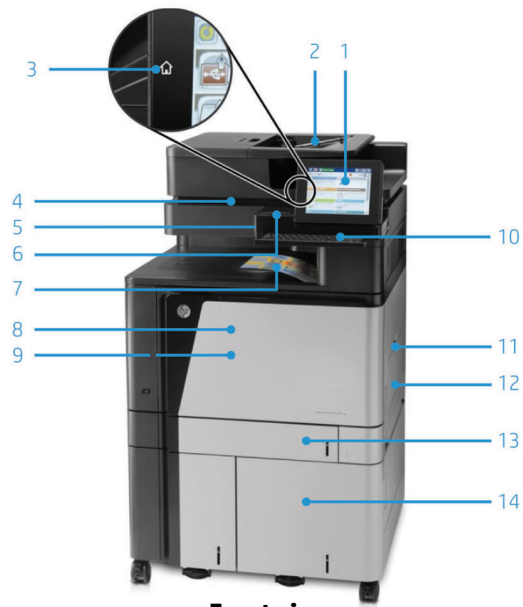
- Expand your options. Easily upgrade firmware on your schedule. Easily integrate solutions or devices at will.
- Help build business efficiency. Centrally monitor and control printers with HP Web Jetadmin.<sup>7</sup>
- Apply fleet-wide policies to help protect your HP devices with HP Imaging and Printing Security Center.<sup>8</sup>
- Confidently safeguard the sensitive data sent to your MFP with the HP High-Performance Secure Hard Disk.

<sup>1</sup> Touch-to-print capability is standard in the HP Color LaserJet Enterprise flow MFP M880z+ D7P71A model, and may be added as an option to the HP Color LaserJet Enterprise M880z+ A2W76A and M880z A2W75A. Mobile device must support near-field communications-enabled printing. For a list of supported devices, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) <sup>2</sup> HP Flow CM is not available in all regions. Network connection is required to upload and download files. Additional software and licenses may be required. <sup>3</sup> The HP Universal Print Driver is free and available for download at [hp.com/go/upd](http://hp.com/go/upd) <sup>4</sup> Supports OS X Lion, OS X Mountain Lion, and the following devices running iOS 4.2 or later: iPad® (all models), iPhone® (3GS or later), and iPod touch® (third generation or later). Works with HP's AirPrint-enabled printers and requires the printer be connected to the same network as your OS X or iOS device. Wireless performance is dependent on physical environment and distance from the access point. OS X, iPad, iPhone, and iPod touch are trademarks of Apple® Inc., registered in the United States and other countries. AirPrint™ and the AirPrint logo are trademarks of Apple Inc. <sup>5</sup> Paper-handling options must be purchased separately. <sup>6</sup> Local printing requires mobile device and printer to be on the same network or have a direct wireless connection to printer. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) for more details. <sup>7</sup> HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin) <sup>8</sup> HP Imaging and Printing Security Center must be purchased separately.

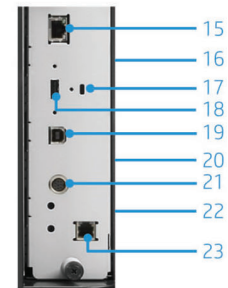
## Product walkaround

### HP Color LaserJet Enterprise flow M880z+ NFC/Wireless Direct MFP Printer

1. Intuitive 8-inch (20.3 cm) HP Easy Select pivoting color touchscreen control panel
2. 200-sheet automatic document feeder with single pass two-sided scanning, and HP EveryPage with ultrasonic double-feed detection
3. Home button (returns to home screen)
4. Plate glass color scanner handles sizes up to 11 x 17 in/A3
5. Easy-access USB port to save and print files directly
6. Hardware integration pocket for solution integration<sup>1</sup>
7. 500-sheet output bin
8. Front door provides convenient access to HP toner cartridges and drums
9. Built-in automatic two-sided printing
10. Retractable keyboard for easy, accurate data entry
11. 100-sheet multipurpose tray 1 handles heavy custom media up to 58 lb bond (220 g/m<sup>2</sup>)
12. Right-side doors provide access to the fuser and for clearing jams
13. 500-sheet input tray supports media up to size 11 x 17 in/A3
14. 3,500-sheet high-capacity input tray supports media sizes letter/A4
15. HP Jetdirect Gigabit Ethernet print server
16. HP High-Performance Secure Hard Disk
17. Access port for optional Kensington-style lock
18. Hi-Speed USB 2.0 port (for connecting third-party devices)
19. Hi-Speed USB 2.0 printing port
20. 800 MHz processor, 1.5 GB RAM
21. Foreign interface harness (for connecting external devices)
22. Two internal host USB 2.0 type ports for third party solutions
23. RJ-11 fax port



Front view



Close-up of I/O ports

## Series at a glance



Model	HP Color LaserJet Enterprise flow M880z Multifunction Printer	HP Color LaserJet Enterprise flow M880z+ NFC/Wireless Direct MFP Printer
<b>Part number</b>	A2W75A	D7P71A
<b>100-sheet multipurpose tray 1</b>	Yes	Yes
<b>500-sheet tray 2</b>	Yes	Yes
<b>3 x 500 sheet input trays</b>	Yes	Not available
<b>3,500-sheet HCI</b>	Not available	Yes
<b>Touch-to-print, wireless direct mobile printing</b>	Optional	Yes

<sup>1</sup>Solutions deployed through the hardware integration pocket may require additional purchase.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

### Optimized Care (optimum performance and stability):

4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

### Standard Care (high level of uptime):

Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

### Basic Care (minimum recommended support):

Next Business Day Onsite Support

For care pack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



Easy access USB

## Top features

Accelerate business workflows and easily connect users throughout your office. Share documents without delay, using flexible send-to options. Complete big jobs fast, thanks to versatile paper-handling tools.

Boost productivity and avoid delays. Employees can scan two-sided documents in one pass and add professional finishing touches with minimal effort.

Eliminate the wires and complications from mobile printing. Enable easy printing from smartphones, tablets, and laptops at work, home, or on the go. Give users simple access through wireless direct printing and touch-to-print technology.<sup>1,6</sup>

Help protect your printer investment and manage printing across the enterprise. Easily upgrade and add capabilities as your needs change. Manage the printing fleet from a single location. Expect high efficiency for the long term.

### Accessories

A2W80A	HP LaserJet Stapler/Stacker
A2W84A	HP LaserJet Booklet Maker/Finisher with 2/3 hole punch
C1N63A	HP LaserJet 3x500-sheet Paper Feeder and Stand
F5562A	HP Trusted Platform Module Accessory
J8029A	HP Jetdirect 2800w NFC/Wireless Direct Accessory

### Supplies

C1N54A	HP LaserJet C1N54A 110V Maintenance Kit
C1N58A	HP LaserJet C1N58A 220V Maintenance Kit
C1P70A	HP LaserJet ADF Roller Replacement Kit
CF300A	HP 827A Black Original LaserJet Toner Cartridge
CF301A	HP 827A Cyan Original LaserJet Toner Cartridge
CF302A	HP 827A Yellow Original LaserJet Toner Cartridge
CF303A	HP 827A Magenta Original LaserJet Toner Cartridge
CF358A	HP 828A Black LaserJet Image Drum
CF359A	HP 828A Cyan LaserJet Image Drum
CF364A	HP 828A Yellow LaserJet Image Drum
CF365A	HP 828A Magenta LaserJet Image Drum
D7H14A	HP LaserJet D7H14A Transfer and Roller Kit

### Services

#### HP Color LaserJet Enterprise flow M880 Multifunction Printer series

U8D23E	- HP 3 year Nbd + DMR CLJ M880 MFP Support
U8D24E	- HP 4 year Nbd + DMR CLJ M880 MFP Support
U8D25E	- HP 5 year Nbd + DMR CLJ M880 MFP Support
U8D17E	- HP 3 year 4h 9x5 CLJ M880 MFP HW Support
U8D19E	- HP 4 year 4h 9x5 CLJ M880 MFP HW Support
U8D21E	- HP 5 year 4h 9x5 CLJ M880 MFP HW Support
U8D42PE	- HP 1 year PW Nbd + DMR CLJM 880 MFP Support
U8D40PE	- HP 1 year PW 4h 9x5 CLJ M880 MFP Support

<sup>1</sup> Touch-to-print capability is standard in the HP Color LaserJet Enterprise flow MFP M880z+ D7P71A model, and may be added as an option to the HP Color LaserJet Enterprise M880z+ A2W76A and M880z A2W75A. Mobile device must support near-field communications-enabled printing. For a list of supported devices, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) <sup>6</sup> Local printing requires mobile device and printer to be on the same network or have a direct wireless connection to printer. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) for more details.

# HP Color LaserJet Enterprise flow M880 Multifunction Printer series

Technical Specifications	HP Color LaserJet Enterprise flow M880z Multifunction Printer(A2W75A)	HP Color LaserJet Enterprise flow M880z+ NFC/Wireless Direct MFP Printer(D7P71A)
<b>AIO functions</b>	Print, copy, scan, fax; <b>AIO multitasking supported:</b> Yes	
<b>Print speed</b>	<b>Letter:</b> Up to 45 ppm black; Up to 45 ppm color <sup>1</sup> ; <b>First Page Out Black:</b> As fast as 11 sec; <b>First Page Out Color:</b> As fast as 11 sec	
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Color (best):</b> Up to 1200 x 1200 dpi	
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> HP ImageREt 4800; HP FastRes 1200 (1200 dpi quality), 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated	
<b>Print Cartridges Number</b>	4 (1 each Cyan, Magenta, Yellow, Black)	
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, PDF	
<b>Printer Smart Software Features</b>	HP ePrint, Apple AirPrint™, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Off Technology, HP Easy Color, Pantone® Calibrated, print preview, duplex, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, job separator, staple, offset, booklet making, hole punch	
<b>Printer Management</b>	HP Web Jetadmin; HP Utility (Mac)	
<b>Scan Type / Technology</b>	<b>Type:</b> Flatbed, ADF; <b>Technology:</b> Charge Coupled Device (CCD)	
<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>	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)	
<b>Scan Input Modes</b>	Copy, scan-to-email, scan to network folder, scan to USB, save to device	
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 17 in Maximum; 5.8 x 2.7 in Minimum; <b>Flatbed:</b> 11.7 x 17 in	
<b>Scan Speed</b>	Up to 70 ppm (b&w), up to 68 ppm (color) <b>Duplex:</b> Up to 85 ipm (b&w), up to 63 ipm (color)	
<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; Auto tone; Auto job notification; Blank page suppression; Auto orientation; Auto page crop; 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; Scan to SharePoint; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; OCR; Local Address Book; SMTP over SSL	
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 45 cpm; <b>Color (letter):</b> Up to 45 cpm <sup>2</sup>	
<b>Copy Resolution</b>	<b>Black (text and Graphics):</b> 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>	Sides; Collate; Paper Selection; Color/Black; Reduce/Enlarge; Image Adjustment; Content Orientation	
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>3</sup>	
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi; <b>Black (standard):</b> 100 x 100 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>Fax Memory:</b> Incoming fax can be stored to disk; <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 TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> No; <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes, as blocked fax numbers; <b>Maximum Speed Dialing Numbers:</b> Up to 100 (each can contain 100 numbers); <b>PC Interface Supported:</b> Yes, PC Fax send only; <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 Foreign Interface; 1 Hardware Integration Pocket (HIP); 2 Internal USB Host; 1 Fax	
<b>Network Capabilities</b>	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11b/g/n wireless networking (optional); Touch to Print and Wireless Direct (optional). Please note: HP Jetdirect 2800W (J8029A) and HP Jetdirect 2700W (J8026A) accessories cannot be installed at the same time.	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11b/g/n wireless networking (optional). Please note: HP Jetdirect 2800W (J8029A) and HP Jetdirect 2700W (J8026A) accessories cannot be installed at the same time.
<b>Network Ready</b>	Standard (built-in Gigabit Ethernet)	
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory	Standard (built-in Gigabit Ethernet); Included Touch to Print and Wireless Direct
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mobile Apps; HP Wireless Direct printing (optional) <sup>4</sup>	
<b>Memory/Processor Speed</b>	<b>Standard:</b> 2.5 GB (system memory); <b>Maximum:</b> 2.5 GB (system memory) / 800 Mhz	
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 200,000 pages (print) <sup>5</sup> ; <b>Recommended Monthly Page Volume:</b> 5000 to 25,000 (print); 26,750 to 44,600 (scan)	
<b>Paper Handling</b>	<b>Input Capacities: A2W75A:</b> 100-sheet multipurpose tray, 4 x 500-sheet input tray; Up to 2100 sheets (75 g/m <sup>2</sup> media) standard; Up to 10 envelopes; <b>D7P71A:</b> 100-sheet multipurpose tray, 500-sheet input tray, 1500-sheet input tray, 2000-sheet input tray; Up to 4100 sheets (75 g/m <sup>2</sup> media) standard; Up to 10 envelopes; <b>Output Capacities:</b> 500-sheet face-down bin; Up to 500 sheets (75 g/m <sup>2</sup> media) standard; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 200 sheets (20 lb, 75 g/m <sup>2</sup> ); <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 5 (A2W75A); 4 (D7P71A); <b>Media Types Supported:</b> Cut sheet paper, labels, transparencies, glossy paper, glossy film, photo media, tough paper, envelopes; <b>Media Weight Supported:</b> Tray 1, 2: 16 to 58 lb; Tray 3, 4: 16 to 32 lb; <b>Media Sizes Supported: A2W75A:</b> Tray 1: Letter, Letter-R, Legal, Executive, Ledger (11 x 17), 8.5 x 13, 12 x 18, Statement, 4 x 6 Index card, 5 x 7 Index card, 5 x 8 Index card, 3 x 5 Index card, Envelopes #9, #10, Monarch; Tray 2: Letter, Letter-R, Legal, Executive, Ledger (11 x 17), 8.5 x 13; Trays 3+ Letter, Letter-R, Legal, Executive, Ledger (11 x 17), 8.5 x 13, 12 x 18; <b>D7P71A:</b> Tray 1: Letter, Letter-R, Legal, Executive, 11 x 17, 8.5 x 13, 12 x 18, Statement, 4 x 6 Index card, 5 x 7 Index card, 5 x 8 Index card, 3 x 5 Index card, Envelopes #9, #10, Monarch; Tray 2: Letter, Letter-R, Legal, Executive, Ledger (11x17), 8.5x13; Trays 3+: Letter; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 12.6 x 18 in; Tray 2: 5.8 x 8.3 to 11.7 x 17 in; Trays 3-5: 5.8 x 8.3 to 12.6 x 18 in	
<b>Product Dimensions</b>	<b>W x D x H:</b> 27.7 x 25 x 47.2 in; <b>Maximum:</b> 39.4 x 31.5 x 47.2 in	
<b>Product Weight</b>	332 lb	337 lb
<b>What's in the box</b>	HP Color LaserJet Multifunction Printer; Black, Cyan, Magenta, and Yellow HP Color LaserJet Drums; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges; CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplexer (built-in); Encrypted Hard Drive: 3 x 500-sheet paper input (A2W75A), 3500 high capacity sheet paper input (D7P71A); Fax; Fax cable; D7P71A: NFC/direct print kit	
<b>Warranty Features</b>	One-year, next-business day, onsite warranty	
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; Blue Angel	
<b>Control Panel</b>	8.0-in (20.3 cm) color LCD with Capacitive touchscreen; rotating (adjustable angle) display; illuminated Capacitive Home button (for quick return to the Home menu); Easy Access USB; Hardware Integration Pocket	
<b>Display Description</b>	8" SVGA 800 x 600 dpi resolution capacitive-touch display with gesture support and extended keyboard	
<b>Software Included</b>	HP PCL 6 Discrete Printer Driver; Mac SW Link to Web (Mac Installer); Windows Installer	
<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 hp.com/go/laserjetfonts	
<b>Compatible Operating Systems</b>	Windows 8 (32-bit/64-bit), Windows 7 (32-bit/64-bit), Windows Vista (32-bit/64-bit), Windows XP (SP2 or higher) (32-bit/64-bit), Windows Server 2012 (64-bit), Windows Server 2008 (32-bit/64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2003 (SP1 or higher) (32-bit/64-bit), Mac OS X version 10.6.8, 10.7.5 Lion, 10.8 Mountain Lion. For the latest operating system support see: Air Print (support.apple.com/kb/ht4356); Android (android.com); Citrix and Windows Terminal Services (hp.com/go/ud); HP ePrint Software Driver (hp.com/go/eprintssoftware); Linux (hplip.net); Novell (novell.com/iprint); SAP device types (hp.com/go/sap/drivers); SAP Print (hp.com/go/sap/print); UNIX (hp.com/go/UNIX); UNIX JetDirect (hp.com/go/jetdirectunix_software) <sup>6</sup>	
<b>Compatible Network Operating Systems</b>	Windows 8.1 (32-bit/64-bit); Windows 8 Basic (32-bit/64-bit); Windows 8 Pro (32-bit/64-bit); Windows 8 Enterprise (32-bit/64-bit); Windows 8 Enterprise N (32-bit/64-bit); Windows 8 Enterprise RT (32-bit only); Windows 7 (32-bit/64-bit) (Including Starter Edition); Windows Vista (32-bit) (Including Starter Edition); Windows Vista (64-bit); Windows XP (SP2 or higher) (32-bit/64-bit); Windows Server 2012 R2; Windows Server 2012 (No Software Installer support); Windows Server Win7/2008 R2 (SP1); Windows Server 2008 (Standard Edition); Windows Server 2008 (Enterprise Edition); Windows Server 2008 (32-bit/64-bit) (SP1); Windows Server 2008 (32-bit/64-bit) (SP2); Windows Server 2008 R2 (32-bit/64-bit) (Standard Edition, Enterprise Edition); Windows Server 2008 Server Terminal Services; Windows Server 2008 Server Terminal Services with Citrix XenApp; Windows Server 2003 (Standard Edition); Windows Server 2003 (Enterprise Edition); Windows Server 2003 (32-bit/64-bit) (SP1); Windows Server 2003 (32-bit/64-bit) (SP2); Windows Server 2003 R2 (32-bit/64-bit) (Standard Edition, Enterprise Edition); Windows Server 2003 Server Terminal Services; Windows Server 2003 Server Terminal Services w/Citrix Metaframe XP with Feature Release 3; Windows Server 2003 Server Terminal Services w/Citrix Presentation Server 4.0; Windows Server 2003 Server Terminal Services with Citrix Presentation Server 4.5; Novell NetWare 6; Novell NetWare 6.5 (SP8 minimum for full Windows Vista, Windows 7 and Windows XP (SP7 if only Windows XP)); Novell iPrint Client v5.4 for Windows XP, Windows Vista and Windows 7, (x86 and x64); Novell iPrint Support Only; Novell Open Enterprise Server 2 (Linux); Novell Open Enterprise Server 6.5; Other Citrix (Print): Citrix XenApps 6.0, XenServer 5.6, XenDesktop 5.5, Other Cluster Support; Mac 10.5; Mac 10.6.8; Mac 10.7.5; Mac 10.8.x; Mac 10.9.x; For Linux OS versions, refer to the HP Linux web site: hplipopensource.com/hplip-web/index.html; Unix HP/UX 11.11; IBM AIX 3.2.5 or higher; MPE-iX; Citrix Metaframe Server; Red Hat Linux 7.x or higher; Solaris 2.5 or higher (SPARC systems only); SuSE Linux 8.x or higher. (For Microsoft IPv6 compatibility use Windows 2003, Windows XP Home, Windows XP Professional and Windows Vista)	
<b>Minimum System Requirements</b>	<b>PC:</b> Windows 8, Windows 7 (SP1 or higher), Windows Vista, Windows XP (SP2 or higher), Windows Server 2012 (64-bit), Windows Server 2008; Windows Server 2003 (SP1 or higher), Windows Server 2008 R2 (64-bit); 200 MB available hard disk space; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection (Operating system compatible hardware system requirements see microsoft.com); <b>MAC:</b> Mac OS X v10.6.8, OS X 10.7.5 Lion, OS X 10.8 Mountain Lion; 1 GB of available hard-disk space; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection (Operating system compatible hardware system requirements see apple.com)	
<b>Power</b>	<b>Power Supply Type:</b> Built-in power supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 10.5 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 5.5 A (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power Consumption:</b> 1100 watts (Printing), 1100 watts (Copying), 80 watts (Ready), 8.0 watts (Sleep), 1.2 watt (Auto-Off), 0.4 watts (Off) <sup>7</sup>	
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 7.0 B(A); <b>Acoustic Pressure Emissions:</b> 54 dB(A) <sup>8</sup>	
<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> 32 to 95°F; <b>Non-Operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 10 to 80% RH	
<b>Security Management</b>	Identity management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and 3rd party advanced authentication solutions (e.g., badge readers); 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; 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; Security management: Compatible with HP Imaging and Printing Security Center	

<sup>1</sup>Measured using ISO/IEC 24734, excludes first set of test documents. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>2</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. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</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 5 sec/page for V.17 <sup>4</sup>HP ePrint: Requires an Internet connection to the printer. Feature works with any connected Internet- and e-mail-capable device. Requires HP Web Services Account Registration. Print times may vary. For a list of supported documents, and image types, see hp.com/go/eprintcenter. HP Wireless Direct printing: Requires purchase of optional HP Jetdirect 2800w USB Wireless Print Server (J8029A HP accessory, Apple AirPrint™). Supports the following device types: iOS 4.2 or later; iPad®, iPod touch, iPhone® (iOS or later), iPod touch® (3rd generation or later). Works with HP's AirPrint™ enabled printers and requires the printer be connected to the same network as your iOS device. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint, the AirPrint Logo, iPad, iPhone, and iPod touch are trademarks of Apple® Inc., registered in the U.S. and other countries. Mobile Apps: For additional solutions, see hp.com/go/mobile-printing-solutions <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 LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>6</sup>Windows Installer has the same Operating System support as the printer driver except the following: Windows XP (SP3 or higher) (32-bit only); Windows Server 2003 (SP2 or higher) (32-bit only); Windows Vista Starter not supported in Driver nor Installer; HP Software Installer CD for Windows - The HP PCL 6 discrete driver and .NET 3.5 SP1 are installed for Windows operating systems along with other optional software. .NET 4.0 is included in Windows 8/Server 2012; HP Software for Mac is no longer included on the CD, but can be downloaded from hp.com - the Mac driver and Mac Utility are installed for Mac operating systems. <sup>7</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>8</sup>Configurations tested included color and mono printing, simplex and duplex printing, and 110 VAC and 220 VAC units at 46 ppm.

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# HP Color LaserJet Enterprise M855 Printer series



## Outstanding colour, great value

The HP Color LaserJet M855 gives your entire organization access to fast, simplified colour printing with professional finishing. Protect your investment – you can easily upgrade and add to this device’s capabilities as your business needs evolve.



### Print at a speed that meets your needs

- Boost productivity for everyone in your organization with fast colour printing on different media sizes up to SRA3.
- Equip employees to fly through tasks with the large 10.9cm (4.3 inch) touchscreen.
- Show your company’s true colours – get vibrant, consistent and affordable colour printing for every department.
- HP’s on paper calibration technology helps provide even, consistent colour—from page to page, and on every printer.
- Give employees the tools to organise documents faster and more conveniently: Staple, stack, fold, and punch holes with the printer’s optional finishing options<sup>1</sup>.

### Invest once, expand easily and manage efficiently

- Expand your options. Easily upgrade firmware on your schedule and integrate new solutions or devices with ease.
- Help build business efficiency. Centrally monitor and control printers with HP Web Jetadmin<sup>2</sup>.
- Apply fleet-wide policies to help protect your HP devices with HP Imaging and Printing Security Center<sup>3</sup>.
- Confidently safeguard the sensitive data sent to the printer with the HP High-Performance Secure Hard Disk<sup>4</sup>.

### Boost efficiency with mobile printing

- Give users simple, direct access to the printer through wireless direct printing<sup>5</sup>.
- Get mobile printing at a touch with Near Field Communications (NFC): enable touch-to-print convenience from mobile devices<sup>6</sup>.
- Let employees print from mobile devices with built-in print capability or HP ePrint app and software<sup>7</sup>.
- Give users the power to print wirelessly from an iPad®, iPhone® or iPod touch® using AirPrint™<sup>8</sup>.



Business-Class Printers

## Product walkaround

1. Intuitive 10.9 cm colour touchscreen control panel
2. 500-page output bin
3. Front door provides convenient access to HP toner cartridges and drums
4. Built-in automatic two-sided printing
5. 500-sheet input tray supports media up to A3
6. 3,500-sheet high-capacity input tray supports A4 media
7. Easy-access USB port to print files directly
8. Hardware integration pocket (HIP) for solution integration
9. Right-side doors provide access for clearing jams
10. 100-sheet multipurpose tray handles media up to 220 g/m<sup>2</sup>
11. Access port for optional Kensington-style lock
12. 800 MHz processor, 1 GB standard memory
13. High-Speed USB 2.0 port (for connecting third-party devices)
14. Two internal host USB 2.0 type ports for third party solutions
15. HP Jetdirect Gigabit Ethernet server
16. Hi-Speed USB 2.0 printing port
17. HP High-Performance Secure Hard Disk



## Series at a glance



Model	HP Color LaserJet Enterprise M855dn Printer	HP Color LaserJet Enterprise M855xh Printer	HP Color LaserJet Enterprise M855x+ Printer
<b>Product number</b>	A2W77A	A2W78A	A2W79A
<b>On paper calibration technology</b>	Yes	Yes	Yes
<b>100-sheet multipurpose tray 1</b>	Yes	Yes	Yes
<b>500-sheet A3 tray 2</b>	Yes	Yes	Yes
<b>3x500-sheet A3 feeder</b>	Optional	Yes	Not available
<b>3,500-sheet A4 HCI</b>	Optional	Not available	Yes
<b>Booklet maker with hole punch</b>	Optional <sup>3</sup>	Optional <sup>3</sup>	Optional <sup>3</sup>
<b>Two-bin stapler/stacker</b>	Optional <sup>3</sup>	Optional <sup>3</sup>	Optional <sup>3</sup>
<b>Touch-to-print and wireless direct mobile printing<sup>1,2</sup></b>	Optional	Optional	Optional
<b>HP High-Performance Secure Hard Disk<sup>4</sup></b>	Not available	Yes	Yes

<sup>1</sup>Wireless direct printing may be added as an option. Mobile device may require an app or driver. Wireless performance is dependent on physical environment and distance from the printer

<sup>2</sup>Touch-to-print capability may be added as an option. Mobile device must support near field communications-enabled printing.

<sup>3</sup>Document finishing accessories must be purchased separately. An input accessory with a stand must be installed for use before adding a finishing accessory.

<sup>4</sup>HP High-Performance Secure Hard Disk is not available on the HP Color LaserJet Enterprise M855dn.



## Accessories, Supplies and Support

<b>Supplies</b>	<b>C1N54A</b> HP LaserJet C1N54A 110V Maintenance Kit 130,000 pages	
	<b>C1N58A</b> HP LaserJet C1N58A 220V Maintenance Kit 130,000 pages	
	<b>D7H14A</b> HP LaserJet D7H14A Transfer and Roller Kit 150,000 pages	
	<b>CF310A</b> HP 826A Black Original LaserJet Toner Cartridge 29,000 pages	
	<b>CF311A</b> HP 826A Cyan Original LaserJet Toner Cartridge 31,500 pages	
	<b>CF312A</b> HP 826A Yellow Original LaserJet Toner Cartridge 31,500 pages	
	<b>CF313A</b> HP 826A Magenta Original LaserJet Toner Cartridge 31,500 pages	
	<b>CF358A</b> HP 828A Black LaserJet Image Drum 30,000 pages	
	<b>CF359A</b> HP 828A Cyan LaserJet Image Drum 30,000 pages	
	<b>CF364A</b> HP 828A Yellow LaserJet Image Drum 30,000 pages	
	<b>CF365A</b> HP 828A Magenta LaserJet Image Drum 30,000 pages	
	<b>Accessories</b>	<b>A2W80A</b> HP LaserJet Stapler/Stacker
		<b>C1N63A</b> HP LaserJet 3x500-sheet Paper Feeder and Stand
<b>A2W82A</b> HP LaserJet Stapler/Stacker with 2/4 hole punch		
<b>A2W83A</b> HP LaserJet Booklet Maker/Finisher		
<b>C1N64A</b> HP LaserJet 1x3500-sheet Paper Feeder and Stand		
<b>C2H56A</b> HP LaserJet 1x500-sheet Paper Feeder and Stand		
<b>C8091A</b> HP Staple Cartridge Refill (5000 staples) for Stapler/Stacker accessories		
<b>CC383A</b> HP 2-pack 2000-staple Cartridge for booklet maker finisher		
<b>CZ999A</b> HP Color LaserJet Booklet Maker/Finisher with 2/4 hole punch		
<b>Connectivity</b>		<b>J8026A</b> HP Jetdirect 2700w USB Wireless Print Server
	<b>J8029A</b> HP Jetdirect 2800w NFC/Wireless Direct Accessory	
<b>Service and support</b>	<b>UOLX2E</b> HP 3 year Next Business Day with Defective Media Retention Color LaserJet M855 Hardware Support	
	<b>UOLX3E</b> HP 4 year Next Business Day with Defective Media Retention Color LaserJet M855 Hardware Support	
	<b>UOLX4E</b> HP 5 year Next Business Day with Defective Media Retention Color LaserJet M855 Hardware Support	
	<b>UOLW6E</b> HP 3 year 4 hour 9x5 Color LaserJet M855 Hardware Support	
	<b>UOLY8PE</b> HP 1 year Post Warranty Next Business Day with Defective Media Retention Color LaserJet M855 Hardware Support	
	<b>UOLY6PE</b> HP 1 year Post Warranty 4 hour 9x5 Color LaserJet M855 Hardware Support	
<b>UOLY5PE</b> HP 2 year Post Warranty Next Business Day Color LaserJet M855 Hardware Support		

## Technical specifications

Model	HP Color LaserJet Enterprise M855dn Printer	HP Color LaserJet Enterprise M855xh Printer	HP Color LaserJet Enterprise M855x+ Printer
<b>Product number</b>	A2W77A	A2W78A	A2W79A
<b>Print speed</b>	Up to 46 ppm black (A4); Up to 46 ppm colour (A4); Up to 43 ipm black duplex (A4); Up to 43 ipm colour duplex (A4) Up to 22 ppm black (A3); Up to 22 ppm colour (A3)		
<b>First page out time</b>	As fast as 11 sec black (A4, ready); As fast as 11 sec colour (A4, ready)		
<b>Print resolution</b>	Up to 1200 x 1200 dpi black; Up to 1200 x 1200 dpi colour		
<b>Print technology</b>	Laser		
<b>Print Area</b>	Print margins: Top: 2.1 mm; Bottom: 2.1 mm; Left: 2.1 mm; Right: 2.1 mm; Maximum print area		
<b>Print languages</b>	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation		
<b>Monthly duty cycle</b>	Up to 175000 pages (A4), Recommended monthly page volume: 4000 to 25000		
<b>Duplex printing</b>	Automatic (standard)		
<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://hp.com/go/laserjetfonts">hp.com/go/laserjetfonts</a>		
<b>Processor speed</b>	800 MHz		
<b>Display</b>	10.9 cm colour LCD with touchscreen; rotating (adjustable angle) display; illuminated Capacitive Home button (for quick return to the Home menu); Easy Access USB; Hardware Integration Pocket		
<b>Connectivity</b>	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 (HIP); 2 Internal USB Host		
<b>Memory</b>	Standard: 1.5 GB (system memory); Maximum: 1.5 GB (system memory)		
<b>Hard disk</b>	Standard, 8 GB Solid State Drive (SSD)	Standard, HP High-Performance Secure Hard Disk, minimum 320 GB; AES 256 hardware encryption or higher	Standard, HP High-Performance Secure Hard Disk, minimum 320 GB; AES 256 hardware encryption or higher
<b>Functions</b>	Print		
<b>Media types</b>	Cut sheet paper, labels, transparencies, glossy paper, glossy film, photo media, tough paper, envelopes		

Model	HP Color LaserJet Enterprise M855dn Printer	HP Color LaserJet Enterprise M855xh Printer	HP Color LaserJet Enterprise M855x+ Printer
<b>Product number</b>	A2W77A	A2W78A	A2W79A
<b>Paper size</b>	Custom metric: Tray 1: 76.2 x 127 to 320 x 457.2 mm; Tray 2: 148 x 210 to 297 to 432 mm  Supported metric: Tray 1: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); RA4; SRA4; RA3; SRA3; A6; B6 (JIS); DPOSTCARD (JIS); Envelopes: B5; C5; C6; DL; Tray 2: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); RA4; SRA4	Custom metric: Tray 1: Width: 76.2 x 127 to 320 x 457.2 mm; Tray 2: 148 x 210 to 297 x 432 mm; Tray 3, 4, 5: 148 x 210 to 320 x 457 mm  Supported metric: Tray 1: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); RA4; SRA4; RA3; SRA3; A6; B6 (JIS); DPOSTCARD (JIS); Envelopes: B5; C5; C6; DL; Tray 2: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); SRA4; Tray 3-5: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); RA4; SRA4; RA3; SRA3	Custom metric: Tray 1: 76.2 x 127 to 320 x 457.2 mm; Tray 2: 148 x 210 to 297 x 432 mm; Tray 3, 4: 210 x 297 mm, Letter  Supported metric: Tray 1: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); RA4; SRA4; RA3; SRA3; A6; B6 (JIS); DPOSTCARD (JIS); Envelopes: B5; C5; C6; DL; Tray 2: A3; A4; A4-R; A5; B5 (JIS); B4 (JIS); RA4; SRA4; Tray 3, 4: A4
<b>Paper handling</b>	Standard input: 100-sheet multipurpose tray, 500-sheet input tray  Standard output: 500-sheet face-down bin Optional/Input: 1 x 500-sheet feeder with cabinet, 3 x 500-sheet feeder, High Capacity Input with 1 x 1500-sheet tray and 1 x 2000-sheet feeder	Standard input: 100-sheet multipurpose tray, 4 x 500-sheet input tray  Standard output: 500-sheet face-down bin	Standard input: 100-sheet multipurpose tray, 500-sheet input tray, 1500-sheet input tray, 2000-sheet input tray  Standard output: 500-sheet face-down bin
<b>Input capacity</b>	Tray 1: sheets: 100 (75 g/m <sup>2</sup> ); envelopes: 10 Tray 2: sheets: 500 (75 g/m <sup>2</sup> )  Maximum: Up to 4100 sheets (75 g/m <sup>2</sup> media)	Tray 3: Tray 3-5: sheets: 500 (75 g/m <sup>2</sup> media)  Maximum: Up to 2100 sheets (75 g/m <sup>2</sup> media)	Tray 3: Tray 3, sheets: 1500 (75 g/m <sup>2</sup> media); Tray 4, sheets: 2000 (75 g/m <sup>2</sup> media)  Maximum: Up to 4100 sheets (75 g/m <sup>2</sup> media)
<b>Output capacity</b>	Standard: Up to 500 sheets (75 g/m <sup>2</sup> ), Up to 60 envelopes, Up to 100 sheets Transparencies Maximum: 3000 sheets (75 g/m <sup>2</sup> ) with an optional output device.		
<b>Paper weight</b>	Tray 1, 2: 60 to 220 g/m <sup>2</sup>	Tray 1-5: 60 to 220 g/m <sup>2</sup>	Tray 1, 2: 60 to 220 g/m <sup>2</sup> ; Tray 3/4: 60 to 120 g/m <sup>2</sup>
<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 (HIP); 2 Internal USB Host		
<b>What's in the box</b>	HP Color LaserJet Enterprise M855dn Printer; Black, Cyan, Magenta and Yellow HP Color LaserJet Drums (yield ~30,000 pages); Black, Cyan, Magenta and Yellow HP Color LaserJet Toner Cartridges (yield ~29,000 pages black, ~31,500 pages colour); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); hardware integration pocket; Walk-up USB printing port; 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplexer (built-in)	HP Color LaserJet Enterprise M855xh Printer; Black, Cyan, Magenta and Yellow HP Color LaserJet Drums (yield ~30,000 pages); Black, Cyan, Magenta and Yellow HP Color LaserJet Toner Cartridges (yield ~29,000 pages black, ~31,500 pages colour); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); Hardware integration pocket; Walk-up USB printing port; 100-sheet multipurpose tray 1; 500-sheet input tray 2; 3 x 500-sheet input tray with stand; Automatic duplexer (built-in); HP High-Performance Secure Hard Disk, minimum 320 GB, AES 256 hardware encryption or greater	HP Color LaserJet Enterprise M855x+ Printer; Black, Cyan, Magenta and Yellow HP Color LaserJet Drums (yield ~30,000 pages); Black, Cyan, Magenta and Yellow HP Color LaserJet Toner Cartridges (yield ~29,000 pages black, ~31,500 pages colour); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); Hardware integration pocket; Walk-up USB printing port; 100-sheet multipurpose tray 1; 500-sheet input tray 2; 3500-sheet high capacity input tray with stand; Automatic duplexer (built-in); HP High-Performance Secure Hard Disk, minimum 320 GB, AES 256 hardware encryption or greater
<b>Replacement cartridges</b>	HP 826A Black LaserJet Toner Cartridge (29,000 pages) CF310A; HP 826A Cyan LaserJet Toner Cartridge (31,500 pages) CF311A; HP 826A Yellow LaserJet Toner Cartridge (31,500 pages) CF312A; HP 826A Magenta LaserJet Toner Cartridge (31,500 pages) CF313A; HP 828A Black LaserJet Imaging Drum (30,000 pages) CF358A; HP 828A Cyan LaserJet Imaging Drum (30,000 pages) CF359A; HP 828A Yellow LaserJet Imaging Drum (30,000 pages) CF364A; HP 828A Magenta LaserJet Imaging Drum (30,000 pages) CF365A		
<b>Supported network protocols</b>	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, XMPR, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLIP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print		
<b>Compatible operating systems</b>	Windows 10 (32-bit/64-bit), Windows 8 (32-bit/64-bit), Windows 7 (32-bit/64-bit), Windows Vista (32-bit/64-bit), Windows Server 2012 (64-bit), Windows Server 2008 (32-bit/64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2003 (SP1 or higher) (32-bit/64-bit); Mac OS X version 10.6.8, 10.7.5 Lion, 10.8 Mountain Lion; For the latest operating system support see: AirPrint™ (support.apple.com/kb/ht4356), Android (http://www.android.com), Citrix and Windows Terminal Services (http://www.hp.com/go/upd), HP ePrint Software Driver (http://www.hp.com/go/eprintssoftware), Linux (http://www.hp.com/go/linux), Novell (http://www.novell.com/iprint), SAP device types (http://www.hp.com/go/sap/drivers), SAP Print (http://www.hp.com/go/sap/print), UNIX (http://www.hp.com/go/unix), UNIX JetDirect (http://www.hp.com/go/jetdirectunix_software)		
<b>Minimum system requirements</b>	Windows: Windows 10, Windows 8, Windows 7 (SP1 or higher), Windows Vista, Windows Server 2012 (64-bit), Windows Server 2008, Windows Server 2008 R2 (64 bit), Windows Server 2003 (SP1 or higher): 200 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB 1.1/2.0 or network connection (for OS compatible hardware system requirements see http://www.microsoft.com) Mac: Mac OS X v10.6, v10.7 Lion, v10.8 Mountain Lion; 1 GB of available hard-disk space; CD-ROM or DVD drive, or Internet connection; Dedicated Universal Serial Bus (USB 1.1 or 2.0), or network connection; Operating system compatible hardware system requirements see apple.com		
<b>Software included</b>	HP PCL 6 Discrete Printer Driver; Mac Software Link to Web (Mac Installer); Windows Installer		
<b>Security management</b>	Advanced Security; Management security: SNMPv3, SSL/TLS (HTTPS), WPA2-Enterprise, 802.1X Authentication (EAP-PEAP, EAP-TLS), IPSec/Firewall with Kerberos, Certificate, and PreShared Key Authentication		
<b>Printer management</b>	HP Web Jetadmin; HP Utility (Mac)		
<b>Control panel</b>	10.9 cm colour LCD with touchscreen; rotating (adjustable angle) display; illuminated Capacitive Home button (for quick return to the Home menu); Easy Access USB; Hardware Integration Pocket		
<b>Printer dimensions (W x D x H)</b>	Minimum: 704 x 635 x 580 mm Maximum: 1000 x 635 x 580 mm	Minimum: 704 x 635 x 1063 mm Maximum: 1000 x 635 x 1063 mm	Minimum: 704 x 635 x 1063 mm Maximum: 1000 x 635 x 1063 mm
<b>Package dimensions (W x D x H)</b>	856 x 790 x 899 mm	856 x 790 x 1352 mm	856 x 790 x 1352 mm
<b>Printer Weight</b>	86.28 kg	122.47 kg	124.08 kg
<b>Package weight</b>	101.55 kg	141.9 kg	142.9 kg
<b>Operating environment</b>	Temperature: 15 to 30°C, Humidity: 10 to 80% RH		
<b>Storage</b>	Temperature: 0 to 35°C, Humidity: 10 to 90% RH		
<b>Acoustics</b>	Acoustic power emissions: 7.1 B(A); Acoustic pressure emissions: 55 dB(A)		

Model	HP Color LaserJet Enterprise M855dn Printer	HP Color LaserJet Enterprise M855xh Printer	HP Color LaserJet Enterprise M855x+ Printer
<b>Product number</b>	A2W77A	A2W78A	A2W79A
<b>Power</b>	Requirements: Input Voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 5.5 A Consumption: 1100 watts (printing), 60 watts (ready), 7.0 watts (sleep), 1 watt (auto-off), 0.4 watts (off). Typical Electricity Consumption (TEC): 5.345 kWh/Week. Power supply type: Built-in power supply		
<b>Certifications</b>	CISPR 22:2008/EN 55022:2010 (Class A); EN 61000-3-2: 2006+A1:2009 +A2:2009; EN 61000-3-3: 2008; EN 55024:2010; EMC Directive 2004/108/EC with CE Marking (Europe); other EMC approvals as required by individual countries ENERGY STAR® qualified; Blue Angel		
<b>Warranty</b>	One-year, next business day, on-site limited warranty. Warranty and support options vary by product, country and local legal requirements.		

## Footnotes

<sup>1</sup> Document finishing accessories must be purchased separately. An input accessory with a stand must be installed for use before adding a finishing accessory.; <sup>2</sup> HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).; <sup>3</sup> HP Imaging and Printing Security Center must be purchased separately.; <sup>4</sup> The HP High-Performance Secure Hard Disk is not available on the HP Color LaserJet Enterprise M855dn model.; <sup>5</sup> Wireless direct printing may be added as an option to the HP LaserJet Enterprise M855x+ A2W79A, HP LaserJet Enterprise M855xh A2W78A and HP LaserJet Enterprise M855dn A2W77A. Mobile device may require an app or driver. Wireless performance is dependent on physical environment and distance from the printer. For details, see [hp.com/go/wirelessprinting](http://hp.com/go/wirelessprinting).; <sup>6</sup> Touch-to-print capability may be added as an option to the HP LaserJet Enterprise M855x+ A2W79A, HP LaserJet Enterprise M855xh A2W78A and HP LaserJet Enterprise M855dn A2W77A. Mobile device must support near-field communications-enabled printing. For a list of supported devices, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).; <sup>7</sup> Local printing requires mobile device and printer to be on the same network or have a direct wireless connection to printer. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) for more details.; <sup>8</sup> Supports OS X® Lion, OS X Mountain Lion, and the following devices running iOS 4.2 or later: iPad® (all models), iPhone® (3GS or later), and iPod touch® (third generation or later). Works with HP's AirPrint-enabled printers and requires the printer be connected to the same network as your OS X or iOS device. Wireless performance is dependent on physical environment and distance from the access point. OS X, iPad, iPhone, and iPod touch are trademarks of Apple® Inc., registered in the United States and other countries. AirPrint™ and the AirPrint logo are trademarks of Apple Inc.



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# HP A3 & PageWide Printing Devices

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# 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 (.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>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>	Up 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 500 sheets; Up to 40 envelopes
<b>What's in the box</b>	<b>X3A60A</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 (6.0, 6.1), Linux SUSE (11.2, 11.3, 11.4), 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/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 <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> 6.5 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> 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 CAC Card Reader CCS49B, SIPNet - Classified Card Reader F8B30A, FHS 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 - 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

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<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 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>	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, .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>	<b>X3A63A</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>4</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 maxOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, Ubuntu, 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 (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 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 B(A), 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 Y1G22A, 2nd exit Y1G23A, Spacer Y1G24A, 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 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>	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 constant 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, .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>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 in
<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 500 sheets; Up to 24 envelopes
<b>What's in the box</b>	<b>X3A66A</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> 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, 6.1), Linux SUSE (11.2, 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, 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/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 <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> 6.8 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> 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 Healer 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 FB830A, 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 JB031A, HP JetDirect Wireless Print Server with NFC JB030A, 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

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<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>. <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 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>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>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, 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>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 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; 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-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, 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, 8 x 10, 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>	<b>X3A78A</b> Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support files (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 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/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/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> 6.3 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>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 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, 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>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 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, .ch) )
<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 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>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>EnvelopeFeeder:</b> No; <b>StandardPaperTrays:</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>	<b>X3A81A</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, 4.2.1), 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, Spacer 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, FII USB Foreign Interface Bessel 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

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<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 Color LaserJet Managed MFP E77830dn

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**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.
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### 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, HPRLRG, 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 fac-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>	<b>X3A84A</b> Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support files (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/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/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, SPRINT - 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 - 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 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 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>	<b>X3A83A</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 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, 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, sharpen); 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>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-WeightGlossy 96-110g, HP 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.





# 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, .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 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 EcoEFFICIENT, 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>	<b>X3A69A</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 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 2003/2003 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> 6.6 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 CZ208A, 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.

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# 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>	<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-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>	<b>X3A87A</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 Specification</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, 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/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>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 Swedsh 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 Swedsh Y1G12A, Job Separator Department Y1G01A, DOD 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>	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 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>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.](http://www.hp.com/go/learnaboutsupplies)



# 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 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 (.ipm, .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 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 Card 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>	<b>X3A86A</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 2008/2008 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 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 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.



Mac



<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 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>.

