



# HP Color LaserJet Enterprise MFP M578 Printer series

HP's mid-level Enterprise-class color MFP with speeds up to 38 ppm<sup>6</sup> and strongest security.<sup>2</sup>

Ideal for 5-15 people printing up to 10,000 pages per month who want premium color at fast speeds plus quick scanning and copying into workflows.



HP Color LaserJet Enterprise MFP M578dn



HP Color LaserJet Enterprise MFP M578f



HP Color LaserJet Enterprise Flow MFP M578z

## The world's most secure printing<sup>2</sup>

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified<sup>3</sup> to continually monitor memory activity to detect and stop attacks in real time.
- Firmware is automatically checked during startup to determine if it's authentic code—digitally signed by HP.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.

## Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features<sup>1</sup> to optimize your investment for years to come.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>5</sup>
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons.
- Expect consistent, high-quality results with technology that automatically adjusts print settings to paper type.

## 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.
- Accurately capture and edit text, then save as a Microsoft® Word or searchable PDF with built-in OCR software. Available only on M578c and M578z models

## Sustainability is smart business

- Help save paper right out of the box. Two-sided (duplex) printing is set at default for automatic savings.<sup>9</sup>
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Roam for Business.<sup>10</sup>
- Help save energy intelligently by using only the power you need with HP Auto-On/Auto-Off Technology.<sup>11</sup>
- Help reduce your impact. Count on easy cartridge recycling at no charge with HP Planet Partners.<sup>12</sup>

## Product walkaround

1. 100-sheet automatic document feeder (ADF)
2. Hardware Integration Pocket (for connecting accessory and third-party devices)<sup>1</sup>
3. Easy-access USB port<sup>2</sup>
4. 250-sheet output bin
5. Automatic two-sided printing (default)<sup>3</sup>
6. 20.3 cm (8.0-inch) colour touchscreen
7. Pull-out keyboard
8. Convenience stapler
9. Convenient front on/off switch
10. Right door, access to print path
11. Front door, access to HP JetIntelligence cartridges
12. 100-sheet multipurpose tray 1
13. 550-sheet tray 2
14. Fax port
15. Gigabit Ethernet network port
16. Hi-Speed USB 2.0 port for third-party devices
17. Hi-Speed USB 2.0 printing port



HP Color LaserJet Enterprise Flow MFP M578z shown      Rear I/O panel close-up

## Series at a glance



Model	HP Color LaserJet Enterprise MFP M578dn	HP Color LaserJet Enterprise MFP M578f	HP Color LaserJet Enterprise Flow MFP M578z
Product number	7ZU85A	7ZU86A	7ZU88A
Print speed (A4) <sup>4</sup>	Up to 38 ppm		
Automatic two-sided printing (default) <sup>3</sup>	Yes		
100-sheet multipurpose tray 1 and 550-sheet input tray 2	Yes		
500-sheet input trays 3, 4, and 5	Optional		
100-sheet ADF	Yes		Yes (plus HP EveryPage)
Convenience stapler	Not available	standard	
Advanced workflow features	Not available		Yes
Input capacity (standard/maximum)	Up to 650/2300 sheets		
Printer stand	Optional		
Control panel	Colour touchscreen		Colour touchscreen and integrated keyboard
Fax	Optional	Yes	
HP High-Performance Secure Hard Disk	Yes		
Dual-band Wi-Fi with Bluetooth® Low Energy, Wi-Fi Direct® <sup>5</sup>	Optional		Yes
ENERGY STAR® qualified (Blue Angel certified)	Yes		

## 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 hour 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)



Windows 10



HP Care Pack

## Top features

HP printers have the industry's strongest security<sup>2</sup> because they're always on guard, continually stopping threats while adapting to new ones. And only HP printers can automatically self-heal from attacks, so IT doesn't need to intervene.

Set up workgroups for success without adding more to your plate. Help teams thrive while allowing IT the control it needs to quickly handle business fleet-wide, using a streamlined MFP built for straightforward use and management.

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 68 ipm<sup>7</sup>—and avoid extra steps with a Flow MFP designed for maximum productivity.

Business is all about resource management, and finding efficiencies is everyone's responsibility. HP LaserJet MFPs are designed with the environment in mind, so workgroups can complete tasks quickly while helping to conserve energy wherever possible.

### Product

<b>7ZU88A</b>	HP Color LaserJet Enterprise Flow MFP M578z
<b>7ZU85A</b>	HP Color LaserJet Enterprise MFP M578dn
<b>7ZU86A</b>	HP Color LaserJet Enterprise MFP M578f

### Accessories

<b>2NR12A</b>	HP Removable Hard Drive Enclosure
<b>3JN69A</b>	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
<b>8FP31A</b>	HP Jetdirect LAN Accessory
<b>A7W12A</b>	HP LaserJet Keyboard Overlay Kit for Simplified Chinese & Traditional Chinese
<b>A7W14A</b>	HP LaserJet Swedish Overlay Keyboard
<b>B5L28A</b>	HP Internal USB Ports
<b>B5L31A</b>	HP Foreign Interface Harness
<b>B5L34A</b>	HP Color LaserJet 550-sheet Media Tray
<b>B5L51A</b>	HP Color LaserJet Printer Cabinet
<b>B5L53A</b>	HP LaserJet MFP Analog Fax Accessory 600
<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>Q7432A</b>	HP Staple Cartridge Pack
<b>W5U23A</b>	HP 200 ADF Roller Replacement Kit
<b>X3D03A</b>	HP Universal USB Proximity Card Reader
<b>Y7C05A</b>	HP HIP2 Keystroke Reader

### Supplies

<b>B5L35A</b>	HP Color LaserJet B5L35A 110V Fuser Kit (Approximately 150,000 pages)
<b>B5L36A</b>	HP Color LaserJet B5L36A 220V Fuser Kit (Approximately 150,000 pages)
<b>B5L37A</b>	HP Color LaserJet B5L37A Toner Collection Unit (Approximately 54,000 pages)
<b>W2120A</b>	HP 212A Black Original LaserJet Toner Cartridge (5,500 pages)
<b>W2120X</b>	HP 212X High Yield Black Original LaserJet Toner Cartridge (~13,000 pages)
<b>W2121A</b>	HP 212A Cyan Original LaserJet Toner Cartridge (Per cartridge: 4,500 pages)
<b>W2121X</b>	HP 212X High Yield Cyan Original LaserJet Toner Cartridge (Per cartridge: 10,000 pages)
<b>W2122A</b>	HP 212A Yellow Original LaserJet Toner Cartridge (Per cartridge: 4,500 pages)
<b>W2122X</b>	HP 212X High Yield Yellow Original LaserJet Toner Cartridge (Per cartridge: 10,000 pages)
<b>W2123A</b>	HP 212A Magenta Original LaserJet Toner Cartridge (Per cartridge: 4,500 pages)
<b>W2123X</b>	HP 212X High Yield Magenta Original LaserJet Toner Cartridge (Per cartridge: 10,000 pages)

### HP Care Packs

<b>U8TH7E</b>	HP 3 year Next Business Day Service for ColorLaserJet M57x MFP
<b>U8TH8E</b>	HP 4 year Next Business Day Service for ColorLaserJet M57x MFP
<b>U8TH9E</b>	HP 5 year Next Business Day Service for ColorLaserJet M57x MFP
<b>U8TJ0E</b>	HP 3 year 4 hour 9x5 Service for ColorLaserJet M57x MFP
<b>U8TJ1E</b>	HP 4 year 4 hour 9x5 Service for ColorLaserJet M57x MFP
<b>U8TJ2E</b>	HP 5 year 4 hour 9x5 Service for ColorLaserJet M57x MFP
<b>U8TJ6E</b>	HP 3 year Parts Exchange Service for ColorLaserJet M57x MFP
<b>U8TJ7E</b>	HP 4 year Parts Exchange Service for ColorLaserJet M57x MFP
<b>U8TJ8E</b>	HP 5 year Parts Exchange Service for ColorLaserJet M57x MFP
<b>U8TK8PE</b>	HP 1 year Post Warranty Next Business Day Service for ColorLaserJet M57x MFP
<b>U8TK9PE</b>	HP 2 year Post Warranty Next Business Day Service for ColorLaserJet M57x MFP
<b>U8TLOPE</b>	HP 1 year Post Warranty 4 hour 9x5 Service for ColorLaserJet M57x MFP
<b>U8TLZPE</b>	HP 1 year Post Warranty Parts Exchange Service for ColorLaserJet M57x MFP

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

### Paper

Contact HP via phone: Asia: 65 6253 8500

### 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)

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Model	HP Color LaserJet Enterprise MFP M578dn	HP Color LaserJet Enterprise MFP M578f	HP Color LaserJet Enterprise Flow MFP M578z
Product number	7ZU85A	7ZU86A	7ZU88A
Functions	Print, copy, scan, fax (optional)	Print, copy, scan, fax	
<b>Print</b>			
Duplex print options	Automatic (standard)		
Print speed <sup>6</sup>	<b>Black (A4, normal):</b> Up to 38 ppm; <b>Black (letter, normal):</b> Up to 40 ppm; <b>Black (A4, duplex):</b> Up to 38 ipm; <b>Black (letter, duplex):</b> Up to 40 ipm <b>Color (A4, normal):</b> Up to 38 ppm; <b>Color (letter, normal):</b> Up to 40 ppm; <b>Color (A4, duplex):</b> Up to 38 ipm; <b>Color (letter, duplex):</b> Up to 40 ipm		
First page out <sup>7</sup>	<b>Black (A4, ready):</b> As fast as 7.0 sec; <b>Color (A4, ready):</b> As fast as 7.9 sec; <b>Black (A4, sleep):</b> As fast as 10.7 sec; <b>Color (A4, sleep):</b> As fast as 11.7 sec		
Print technology	Laser		
Print resolution	<b>Black (best):</b> HP ImageREt 3600; <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> HP ImageREt 3600; <b>Color (normal):</b> Up to 600 x 600 dpi; <b>Color (fine lines):</b> Up to 1200 x 1200 dpi		
Print resolution technology	HP ImageREt 3600, Pantone Calibrated		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Standard print languages	XPS, HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)		
Printer management	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>Scan</b>			
Scan technology	<b>Type:</b> Flatbed, ADF (two-sided, single-pass); <b>Technology:</b> Contact Image Sensor (CIS)		
Scan speed <sup>10</sup>	<b>Normal (A4):</b> Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (color)		<b>Normal (A4):</b> Up to 45 ppm/45 ipm (b&w), up to 45 ppm/58 ipm (color)
Scan resolution	<b>Enhanced:</b> Up to 600 dpi; <b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 dpi		
Digital sending standard features	Standard: Send to Sharepoint; scan to E-mail; Save-to-Network Folder; Save-to-USB drive; 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	Standard: Send to Sharepoint; Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; 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 Plus: Send to LAN Fax	Standard: Send to Sharepoint; Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; 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 Plus: Send to LAN Fax; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straightener; Auto Crop To Page; OCR
Color scanning	Yes		
Scan Size	<b>Flatbed:</b> 216 x 356 mm; <b>ADF:</b> 216 x 356 mm		
Scan input modes	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXF) applications; HP Scan or user application via TWAIN		
<b>Copy</b>			
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto color detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build		
First copy out	<b>Black (A4):</b> As fast as 6.0 sec; <b>Color (A4):</b> As fast as 9.1 sec; <b>Black (A4, sleep):</b> As fast as 12.0 sec; <b>Color (A4, sleep):</b> As fast as 14.5 sec; <b>Black (letter):</b> As fast as 5.6 sec; <b>Color (letter):</b> As fast as 8.7 sec; <b>Black (letter, sleep):</b> As fast as 11.6 sec		<b>Black (A4):</b> As fast as 6.2 sec; <b>Color (A4):</b> As fast as 9.1 sec; <b>Black (A4, sleep):</b> As fast as 12.0 sec; <b>Color (A4, sleep):</b> As fast as 14.7 sec; <b>Black (letter):</b> As fast as 5.8 sec; <b>Color (letter):</b> As fast as 8.7 sec; <b>Black (letter, sleep):</b> As fast as 11.6 sec
Copy resolution	<b>Color (text and graphics):</b> Up to 600 x 600 dpi		
Max no of copies	Up to 9999 copies		
Copier resize	25 to 400%		
Copier settings	Two-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); N-up; N or Z-ordering; Content orientation; Collation; Booklet; Job build; Edge-to-edge; Job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes)		
<b>Fax</b>			
Fax speed		33.6 kbps / 3 sec per page	
Fax memory		<b>Fax memory (A4):</b> Dependent on the amount of available disk space; <b>Fax memory (letter):</b> Dependent on the amount of available disk space	
Fax resolution		<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; <b>Black photo grayscale:</b> 300 x 300 dpi (400 x 400 dpi for received faxes only)	
Fax Features		Auto fax reduction supported: Yes; Auto-redialing: Yes; Fax delayed sending: No; Distinctive ring detection supported: No; Fax forwarding supported: Yes; Junk barrier supported: Yes; Maximum speed dialing numbers: Up to 1000 numbers; PC interface supported: Yes; Fax polling supported: Yes (poll to receive only)	
Fax smart software features		Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule	
<b>Connectivity</b>			
Standard connectivity	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		Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; 1 Wireless 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio; Hardware Integration Pocket
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional); Roam optional		HP ePrint; Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); Roam capable for easy printing
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Dual-band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A		Embedded Dual-band Station and Wi-Fi Direct Functionality
Network capabilities	Yes, 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); 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio wireless networking (optional)		Yes, 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); 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio wireless networking (standard)
Memory <sup>4</sup>	<b>Standard:</b> 1.25 GB (printer), 512 MB (scanner); <b>Maximum:</b> 3.75 GB		
Hard disk	Standard, embedded HP High-Performance Secure Hard Disk, minimum 500 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File 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		
Processor speed	1.2 GHz		
Duty cycle (monthly)	Up to 80,000 pages; <b>Recommended monthly page volume:</b> 2000 to 10000		
<b>Paper handling</b>			
Input	100-sheet multipurpose tray, 550-sheet input tray 2		
Output	250-sheet output bin	250-sheet output bin, convenience stapler	
Media types	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		
Media weight	Tray 1: 60 to 220 g/m <sup>2</sup> (plain paper), 105 to 220 g/m <sup>2</sup> (glossy paper); Tray 2: 60 to 220 g/m <sup>2</sup> (plain paper), 105 to 220 g/m <sup>2</sup> (glossy paper); Optional Trays 3+: 60 to 220 g/m <sup>2</sup> (plain paper), 105 to 220 g/m <sup>2</sup> (glossy paper); Automatic Duplexer: 60 to 163 g/m <sup>2</sup>		
Media Sizes Custom	Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 102 x 148 to 216 x 297 mm; Optional Trays 3+: 102 x 148 to 216 x 356 mm		
Dimensions (w x d x h)	482 x 504 x 583 mm		
Weight	38.1 kg	38.3 kg	38.6 kg
What's in the box <sup>1</sup>	Printer; Four preinstalled HP LaserJet toner cartridges (yield ~5,500 pages black, ~3,500 pages cyan, magenta, yellow composite); Toner collection unit; In-box documentation; Power Cord	Printer; Four preinstalled HP LaserJet toner cartridges (yield ~5,500 pages black, ~3,500 pages cyan, magenta, yellow composite); Toner collection unit; In-box documentation; Power Cord; fax cable	
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">http://123.hp.com</a> ;		
Warranty features	One-year, next-business day, onsite 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>Systems</b>			
Compatible operating systems	Windows Client OS (32/64 bit) - Win10, Win8.1, Win7 Ultimate, Mobile OS - iOS, Android, Mac - Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Apple® macOS Catalina 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> , 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 <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">www.hp.com/go/upd</a>		
Minimum system requirements	<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>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 WPA-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); HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability); Whitelisting (loads only known good code DLLs, EXEs, etc.); Embedded Trusted Platform Module (TPM); HP Connection Inspector; Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	
<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>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</b>	8" color touchscreen	
<b>Energy efficiency compliance</b>	Blue Angel; EPEAT® Silver; CECP; ENERGY STAR® certified <sup>3</sup>	
<b>ENERGY STAR Qualified</b>	Yes	
<b>Power</b>	<b>Power supply type:</b> Built-in 115V or 220V Power Supply; <b>Power supply required:</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> 617 watts (Printing), 40 watts (Ready), 5.4 watts (Sleep), 0.07 watts (Auto-Off/Manual On), 0.58 watts (Auto-Off/Auto-On/Wake on LAN); <b>Typical Electricity Consumption number:</b> 1.555 kWh/Week (Blue Angel); 0.501 kWh/Week (Energy Star 3.0)	
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.5 B(A) (printing at 38 ppm) ; <b>Acoustic power emissions (ready):</b> 4.7 B(A) ; <b>Acoustic pressure emissions bystander (active, printing):</b> 51 dB(A) (printing at 38 ppm) ; <b>Acoustic pressure emissions bystander (ready):</b> 32 dB(A)	
<b>Environmental ranges</b>	<b>Operating temperature range:</b> 10 to 32.5°C ; <b>Recommended operating temperature:</b> 15 to 27°C ; <b>Operating humidity range:</b> 10 to 80% RH ; <b>Recommended operating humidity range:</b> 30 to 70% RH	
<b>Safety approvals and requirements</b>	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); IEC 62471:2006 / EN 62471:2008; UL/CUL Listed and UL CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 2nd Ed. 2011-12; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries.	
<b>Supported network protocols</b>	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; DISCOVERY: SLP, Bonjour, Web Services Discovery; IP CONFIG: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Stateful via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1X	

## Footnotes

- <sup>1</sup>Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature.
- <sup>2</sup>HP's most advanced embedded security features are available on HP Managed and Enterprise 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 [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information, visit [hp.com/go/PrinterSecurityClaims](http://hp.com/go/PrinterSecurityClaims)
- <sup>3</sup>Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf>
- <sup>4</sup>Use of the HP Trusted Platform Module may require a firmware upgrade.
- <sup>5</sup>HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin)
- <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>Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
- <sup>8</sup>Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
- <sup>9</sup>Dependent upon country setup specifications.
- <sup>10</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 [hp.com/go/roam](http://hp.com/go/roam)
- <sup>11</sup>HP Auto-On/Auto-Off Technology capabilities subject to printer and settings. May require a firmware upgrade.
- <sup>12</sup>Program availability varies. For more information, visit [hp.com/recycle](http://hp.com/recycle)
- <sup>13</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 disclaimers**
- <sup>1</sup>Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
- <sup>2</sup>An administrator must enable the easy-access USB port before use.
- <sup>3</sup>Dependent upon country setup specifications.
- <sup>4</sup>Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://www.hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- <sup>5</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. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).
- Technical specifications disclaimers**
- <sup>1</sup>Average black and color composite (C/M/Y) 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>. HP Color LaserJet Enterprise M554, M555, and MFP / Flow MFP M578 in-box color cartridges may have higher yield than stated for printer units manufactured before 2021.
- <sup>2</sup>Average black and color composite (C/M/Y) 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://http://www.hp.com/go/toneryield>
- <sup>3</sup>EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- <sup>4</sup>Maximum physical memory present is reported. Actual usable amount by firmware might be less.
- <sup>5</sup>Measured using ISO/IEC 24734 Feature Performance Test, 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>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>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>8</sup>Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Blue Angel value typically based on measurement of 230V device.
- <sup>9</sup>Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
- <sup>10</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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