Datasheet

HP Color LaserJet Managed MFP E87640 Series

Premium colour value, maximum uptime, and the strongest security[1] from a smart, streamlined MFP.

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 colour value, maximum uptime, and the strongest security.[1]

HP Color LaserJet Managed MFP E87640du Plus

HP Color LaserJet Managed MFP E87640dn Plus

HP Color LaserJet Managed Flow MFP E87640z Plus

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

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

The world's most secure printing[1]
- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help protect information on your MFP and in transit over the network—store data on the encrypted hard disk.[4]
- Continually monitor to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

Give workgroups the speed they need[5]
- 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.

Product walkaround

1. 250-sheet automatic document feeder supports media up to 290 x 432 mm (11 x 17 inches) (A3)
2. Flatbed scanner handles sheets up to 297 x 432 mm (11.7 x 17 inches)
3. 20.3 cm (8.0 inch) colour touchscreen control panel tilts up for easier viewing
4. Pull-out keyboard (Flow MFP E87640z only)
5. Right door (access to the print path)
6. 100-sheet multipurpose tray 1 supports media up to 290 x 432 mm (11 x 17 inches) (A3)
7. Front door access to toner cartridges
8. Hardware Integration Pocket (for connecting accessory and third-party devices)[1]
9. Easy-access USB port[2]
10. 500-sheet output bin
11. Automatic two-sided printing
12. HP Secure High-Performance Hard Disk
13. 520-sheet tray 2 supports media up to A4
14. 520-sheet tray 3 supports media up to 290 x 432 mm (11 x 17 inches) (A3)
15. Slot for cable-type security lock
16. 2 Hi-Speed USB 2.0 Host ports
17. Gigabit Ethernet port
18. Hi-Speed USB 2.0 Device port

HP Color LaserJet Managed Flow MFP E87640z Plus shown

I/O panel

Series at a glance

	HP Color LaserJet Managed MFP E87640du Plus	HP Color LaserJet Managed MFP E87640dn Plus	HP Color LaserJet Managed Flow MFP E87640z Plus
Product number	5FM80A	Z8Z12A	Z8Z13A
Functions	Print, copy, and scan (fax and wireless optional)	Print, copy, and scan (fax and wireless optional)	Print, copy, and scan (fax and wireless optional)
Print speed (black and colour)[3]	A3: Up to 20 pages per minute (ppm); A4: Up to 40 pages per minute (ppm)	A3: Up to 20 pages per minute (ppm); A4: Up to 40 pages per minute (ppm)	A3: Up to 20 pages per minute (ppm); A4: Up to 40 pages per minute (ppm)
ADF capacity	Standard, 100 sheets	Standard, 250 sheets	Standard, 250 sheets
Scan speeds (black and colour)[4]	**Simplex/duplex:** Up to 80 ipm/160 ipm (b&w); up to 80 ipm/160 ipm (colour)	**Simplex/duplex:** Up to 90 ipm/180 ipm (b&w); up to 90 ipm/180 ipm (colour)	**Simplex/duplex:** Up to 120 ipm/240 ipm (b&w); up to 120 ipm/240 ipm (colour)
Advanced workflow features	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB; Scan-to-SharePoint	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB; Scan-to-SharePoint	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB; Scan-to-SharePoint
Optional Input Capacity	1,040 sheet tray; 2,000 sheet tray; 3,000 sheet tray	1,040 sheet tray; 2,000 sheet tray; 3,000 sheet tray	2,150 sheet tray; 3,000 sheet tray
Optional output accessories	Job Separator, Inner Finisher stapler-stacker, booklet maker, 2/3 hole punch, 2/4 hole punch, Swedish hole punch	Job Separator, Inner Finisher stapler-stacker, booklet maker, 2/3 hole punch, 2/4 hole punch, Swedish hole punch	Job Separator, Inner Finisher stapler-stacker, booklet maker, 2/3 hole punch, 2/4 hole punch, Swedish hole punch

[1] Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. [2] An administrator must enable the easy-access USB port before use. [3] 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. [4] Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and colour). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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

Mac

Windows 10

ePrint

Top Features

Quality colour printing for a great value is a smart choice for any business. Produce premium, professional-quality colour documents at a competitive low cost with an HP 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, with built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP.[1]

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs super-fast—up to 180 ipm[2]—and avoid extra steps with a Flow MFP designed for maximum productivity.

Product	
5FM80A	HP Color LaserJet Managed MFP E87640du Plus
Z8Z12A	HP Color LaserJet Managed MFP E87640dn Plus
Z8Z13A	HP Color LaserJet Managed Flow MFP E87640z Plus

Accessories	
B5L29A	HP High-Performance Secure Hard Disk
CC487A	HP LaserJet MFP Analog Fax Accessory 500
Y1F98A	HP LaserJet Dual Cassette Department Feeder
Y1G01A	HP LaserJet Department Job Separator
Y1G03A	HP LaserJet Inner Finisher Hole 2/4 Punch
Y1G04A	HP LaserJet Inner Finisher Swedish Punch
Y1G07A	HP LaserJet Booklet Finisher
Y1G12A	HP LaserJet Hole Punch Swedish Accessory
Y1G20A	HP LaserJet 3000 Sheet HCI Dept Tray
Y1G21A	HP LaserJet 2000-sheet HCI Input Tray

Supplies[3]	
W9050MC	HP Black Managed LaserJet Toner (54,500 pages)
W9051MC	HP Cyan Managed LaserJet Toner (52,000 pages)
W9052MC	HP Yellow Managed LaserJet Toner (52,000 pages)
W9053MC	HP Magenta Managed LaserJet Toner (52,000 pages)
W9054MC	HP Black Managed LaserJet Imaging Drum (160,000 pages)
W9055MC	HP Managed LaserJet Imaging Drum (145,000 pages)

HP Care Packs	
U9LS7E	HP 1-yr NBD SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LS8E	HP 3-yr NBD SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LS9E	HP 4-yr NBD SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LT0E	HP 5-yr NBD SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LT1E	HP 3-yr 4 hour 9x5 SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LT2E	HP 4-yr 4 hour 9x5 SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LT3E	HP 5-yr 4 hour 9x5 SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LT4E	HP 1-yr NBD Parts Exch SVC for Color LaserJet E876xx MFP Managed (Channel Only)
U9LT5E	HP 3-yr NBD Parts Exch SVC for Color LaserJet E876xx MFP Managed (Channel Only)
U9LT6E	HP 4-yr NBD Parts Exch SVC for Color LaserJet E876xx MFP Managed (Channel Only)
U9LT7E	HP 5-yr NBD Parts Exch SVC for Color LaserJet E876xx MFP Managed (Channel Only)
U9LT8PE	HP 1-yr Post Warranty NBD SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LT9PE	HP 2-yr Post Warranty NBD SVC w/Defective Media Retention for Color LaserJet E876xx MFP Managed
U9LU0PE	HP 1-yr Post Warranty 4 hour 9x5 SVC w/Defective Media Retention for Color Laseret E876xx MFP Managed

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

Paper	
CG964A	HP Professional Glossy Laser Paper 120 gsm-250 sht/A4
CG965A	HP Professional Glossy Laser Paper 150 gsm-150 sht/A4
CG966A	HP Professional Glossy Laser Photo Paper 200 gsm-100 sht/A4
Q6550A	HP Professional Matt Laser Photo Paper-100 sht/A4
CG969A	HP Professional Glossy Laser Paper 120 gsm-250 sht/A3

Contact HP via phone: Asia: 65 6253 8500

Solutions
HP Web Jetadmin: hp.com/go/wja
HP Universal Print Driver: hp.com/go/upd
HP Imaging and Printing Security Center: hp.com/go/ipsc

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[1] Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: hp.com/go/printersecurityclaims [2] Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and colour). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. [3] Average colour 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 hp.com/go/learnaboutsupplies

Technical specifications

Model	HP Color LaserJet Managed MFP E87640du Plus	HP Color LaserJet Managed MFP E87640dn Plus	HP Color LaserJet Managed Flow MFP E87640z Plus
Product number	5FM80A	Z8Z12A	Z8Z13A
Functions	Print, Copy, Scan (fax and wireless optional)		
Print			
Duplex print options	Automatic (standard)		
Print speed[1]	Black (A4, normal): Up to 40 ppm; Black (A3, normal): Up to 20 ppm; Black (tabloid, normal): Up to 40 ppm; Black (A4, duplex): Up to 40 ipm; Black (tabloid, duplex): Up to 20 ipm; Colour (A3, normal): Up to 20 ppm; Colour (A4, normal): Up to 40 ppm; Colour (Draft, A4): Up to 40 ppm; Colour (A4, Duplex): Up to 40 ipm		
First page out[2]	Black (A4, ready): As fast as 8.1 seconds; Black (A4, sleep): As fast as 20 seconds; Colour (A4, ready): As fast as 9.2 seconds; Colour (A4, sleep): As fast as 20 seconds		
Print technology	Laser		
Print resolution	Black (best): Up to 1200 x 1200 dpi reduced speed; Black (normal): Up to 600 x 600 dpi reduced speed; Colour (best): Up to 1200 x 1200 dpi reduced speed; Colour (normal): Up to 600 x 600 dpi reduced speed		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Standard print languages	HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible, Pcl5, GCP compatible, BMP, TIFF		
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			
Scan technology	**Type:** Flatbed, ADF; **Technology:** Platen Scanner CCD Digital-CIS		
Scan speed[3]	Simplex/duplex: Up to 80 ipm/160 ipm (b&w); up to 80 ipm/160 ipm (colour)	Simplex/duplex: Up to 90 ipm/180 ipm (b&w); up to 90 ipm/180 ipm (colour)	Simplex/duplex: Up to 120 ipm/240 ipm (b&w); up to 120 ipm/240 ipm (colour)
Scan resolution	**Enhanced:** Up to 600 x 600 dpi; **Hardware:** Up to 600 x 600 dpi; **Optical:** Up to 600 x 600 dpi		
Digital sending standard features	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	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 Colour Sense; Compact PDF; Auto Straighten	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 Colour Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR
Scan size	**Flatbed (max):** 297 x 432 mm; **ADF (max):** 297 x 432 mm		**Flatbed (max):** 105 x 148 mm; **ADF (max):** 109.22 x 1397 mm
Scan input modes	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications		
Scan file format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A		Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Copy			
Copy smart software features	Better remote diagnosis and repair; Higher first time fix rates; Full toner, LLC utilization; Capture un-billed pages from reconnected network devices, personal printers; On-site access to service training; A3 LaserJets are designed for fewer LLC replacements and faster repairs.		
Copy speed[4]	Black (A4, normal): Up to 40 cpm; Black (A3, normal): Up to 20 cpm; Colour (A4, normal): Up to 40 cpm; Colour (A3, normal): Up to 20 cpm; Black Duplex (A4): Up to 40 cpm; Black Duplex (A3): Up to 20 cpm; Colour (A4, Duplex): Up to 40 cpm; Colour (A3, Duplex): Up to 20 cpm		
First copy out	Black (A4): As fast as 6.3 seconds; Colour (A4): As fast as 7.4 seconds; Black (A4, sleep): As fast as 17 seconds; Colour (A4, sleep): As fast as 17 seconds		
Copy resolution	Black (text and graphics): Up to 600 x 600 dpi; Colour (text and graphics): Up to 600 x 600 dpi		
Max. number of copies	Up to 999 copies		
Copier resize	25 to 400%		
Copier settings	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 colour/mono; image Preview		
Fax			
Fax speed[5]	33.6 kbps		
Fax resolution	Up to 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 (each with 210 destinations); **PC interface supported:** Yes; **Fax polling supported:** Yes (poll to receive only)		
Connectivity			
Standard connectivity	3 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network;); 1 Hardware Integration Pocket		
Mobile printing capability[6]	Yes		
Network ready	Standard (built-in Gigabit 10/100/1000T Ethernet)		
Wireless capability	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.		
Network Capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet)		
Memory	**Standard:** 7 GB; **Maximum:** 7 GB		
Hard Disk	Two 500 GB Standard, embedded HP High-Performance Secure Hard Disk, Total 1000 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 accessory instead.		
Processor speed	1.2 GHz		
Duty cycle (monthly)	Up to 300,000 pages; **Recommended monthly page volume:** Up to 50,000 pages		

Model	HP Color LaserJet Managed MFP E87640du Plus	HP Color LaserJet Managed MFP E87640dn Plus	HP Color LaserJet Managed Flow MFP E87640z Plus
Paper handling			
Input	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 100 sheet ADF; Optional 1,040 sheet tray; Optional 2,000 sheet tray; Optional 3,000 sheet tray	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 250 sheet ADF; Optional 1,040 sheet tray; Optional 2,000 sheet tray; Optional 3,000 sheet tray	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 250 sheet ADF; Optional 2,150 sheet tray; Optional 3,000 sheet tray
Output	500 sheet face-down output bin		
Media type	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g,Heavy 111-130g, Mid-WtGlossy 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, Colour Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Coloured		
Media weight	**Tray 1, 2, 3:** 60 to 300 g/m²		
Media sizes custom	**Tray 1:** 98 x 139.7 to 320 x 457.2 mm; **Tray 2:** 98 x 139.7 to 297 x 390 mm; **Tray 3:** 140 x 182 to 320 x 457.2 mm		
Dimensions (W x D x H)	585 x 764.3 x 883.7 mm	585 x 785 x 932.2 mm	
Weight	100.9 kg	113.1 kg	
What's in the box	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Hardware install and setup documentation; Support flyers. DOES NOT INCLUDE TONER		
Warranty features	90 day parts only. Extended 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.		
Systems			
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 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-, Supported Operating systems, For more information on the supported operating systems see hp.com/go/upd		
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		
Security management	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), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in		
Fonts and Typefaces	95 scalable TrueType fonts		
Control panel	20.3 cm (8.0-in) Colour Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket		20.3 cm (8.0-in) Colour Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Pull-out Keyboard
Display	20.3 cm (8.0-in) touchscreen, SVGA Colour Graphic Display (CGD)		
Power	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); **Power consumption:**[7] 854 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off)		
Software included	No software solutions are included in the Box, only on hp.com, 123.hp.com		
Acoustics	**Acoustic power emissions (active, printing):** 7 B(A) printing colour simplex using A4 paper at 40 ppm; **Acoustic power emissions (ready):** 4 B(A) ready; **Acoustic power emissions (active scan)**: 7.75 B(A) ADF scan colour simplex using A4 paper at 80 ipm; **Acoustic power emissions (active copy):** 6.9 B(A) ADF copy colour simplex and print color simplex using A4 paper; **Acoustic pressure emissions bystander (active, printing):** 49 dB(A) printing colour simplex using A4 paper at 40 ppm; **Acoustic pressure emissions bystander (ready):** Inaudible; **Acoustic Pressure Emissions Bystander (active scan):** 60 dB(A) ADF scan colour simplex using A4 paper at 80 ipm; **Acoustic pressure emissions bystander (active copy):** 54 dB(A) ADF copy colour simplex and print colour simplex using A4 paper		
Environmental ranges	**Operating temperature range:** 15 to 30ºC; **Recommended operating temperature:** 15 to 30ºC; **Non-operating humidity range:** 10 to 80% RH; **Operating humidity range:** 20 to 80% RH; **Recommended operating humidity range:** 20 to 80% RH		
Safety approvals and requirements	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; EN 62471-1:2008 /IEC 62471-1:2006; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC 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		
Supported network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Google Cloud Print 2.0		

[1] 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. [2] Measured using ISO/IEC 17629. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. [4] 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 and document. [5] 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. [6] Optional Wireless Direct and Wireless. [7] 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.

To learn more, visit hp.com