Data sheet

HP Color LaserJet Managed MFP E87640, E87650, E87660

The next generation of quality, productivity, and security

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

Big colour. Small cost.

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

Minimal interruptions. Maximum uptime.

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

The world's most secure printing[1]

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

Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages – every time.[5]
- Enter data more quickly and accurately using the pull-out keyboard.[5]
- Help ensure every scanned document is properly oriented, cropped to size, and greyscale-optimised.
- Load up to 250 pages into the automatic document feeder for fast, unattended scanning.

Color touchscreen

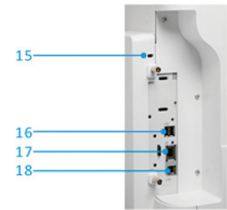HP Web Jetadmin

Easy access USB

2-sided printing

Quality laser printing

Product walkaround

HP Color LaserJet Managed Flow MFP E87640z shown

1. 250-sheet automatic document feeder supports media up to A3
2. Flatbed scanner handles sheets up to 297 x 432 mm
3. 20.3 cm colour touchscreen control panel tilts up for easier viewing
4. Pull-out keyboard (Flow MFP E87640z, Flow MFP E87650z, Flow MFP E87660z)
5. Right door (access to the print path)
6. 100-sheet multipurpose tray 1 supports media up to A3
7. Front door access to toner cartridges
8. Hardware Integration Pocket (for connecting accessory and third-party devices)
9. Easy-access USB port
10. 500-sheet output bin
11. Automatic two-sided printing
12. HP Secure High-Performance Hard Disk
13. 520-sheet tray 2 supports media up to A4
14. 520-sheet tray 3 supports media up to A3
15. Slot for cable-type security lock
16. 2 Hi-Speed USB 2.0 Host ports
17. Gigabit Ethernet port
18. Hi-Speed USB 2.0 Device port

Series at a glance

Model	HP Color MFP E87640dn	HP Color Flow MFP E87650dn	HP Colour MFP E87660dn	HP Color Flow MFP E87640z	HP Color Flow MFP E87650z	HP Color Flow MFP E87660z
Product number	X3A73A + X3A87A or Z8Z12A	X3A73A + X3A90A or Z8Z14A	X3A73A + X3A93A or Z8Z16A	X3A76A + X3A86A or Z8Z13A	X3A76A + X3A89A or Z8Z15A	X3A76A + X3A92A or Z8Z17A
Functions	Print, copy, and scan (fax and wireless optional)	Print, copy, and scan (fax and wireless optional)	Print, copy, and scan (fax and wireless optional)	Same as E87640dn	Same as E87650dn	Same as E87660dn
Print speed	Up to 40 pages per minute (ppm), A4	Up to 50 pages per minute (ppm), A4	Up to 60 pages per minute (ppm), A4	Same as E87640dn	Same as E87650dn	Same as E87660dn
ADF capacity	250 sheets, supports media up to A3	250 sheets, supports media up to A3	250 sheets, supports media up to A3	Same as E87640dn	Same as E87650dn	Same as E87660dn
Scan speeds	Simplex/duplex: 90 ipm/180 ipm (A4)	Simplex/duplex: 90 ipm/180 ipm (A4)	Simplex/duplex: 90 ipm/180 ipm (A4)	Simplex/duplex: 120 ipm/240 ipm (A4)	Simplex/duplex: 120 ipm/240 ipm (A4)	Simplex/duplex: 120 ipm/240 ipm (A4)
Advanced workflow features	Send to Microsoft® SharePoint®	Send to Microsoft® SharePoint®	Send to Microsoft® SharePoint®	Same as E87640dn, plus: HP EveryPage technology, pull-out keyboard, auto-tone, auto orientation, auto-page-crop, embedded OCR	Same as E87650dn, plus: HP EveryPage technology, pull-out keyboard, auto-tone, auto orientation, auto-page-crop, embedded OCR	Same as E87660dn, plus: HP EveryPage technology, pull-out keyboard, auto-tone, auto orientation, auto-page-crop, embedded OCR
Optional input accessories	2 x 520-sheet Paper Feeder, 2,000-sheet HCI Feeder, 3,000-sheet side-mount HCI Feeder, Printer Cabinet	2 x 520-sheet Paper Feeder, 2,000-sheet HCI Feeder, 3,000-sheet side-mount HCI Feeder, Printer Cabinet	2 x 520-sheet Paper Feeder, 2,000-sheet HCI Feeder, 3,000-sheet side-mount HCI Feeder, Printer Cabinet	Same as E87640dn	Same as E87650dn	Same as E87660dn
Optional output accessories	Stapler/Stacker, Inner Finisher, Hole Punch (2/3, 2/4, and Swedish), Booklet Maker	Stapler/Stacker, Inner Finisher, Hole Punch (2/3, 2/4, and Swedish), Booklet Maker	Stapler/Stacker, Inner Finisher, Hole Punch (2/3, 2/4, and Swedish), Booklet Maker	Same as E87640dn	Same as E87650dn	Same as E87660dn

Accessories, Supplies and Support

Supplies[1][2]	W9050MC HP W9050MC Black Managed LaserJet Toner 54,000 pages
	W9051MC HP W9051MC Cyan Managed LaserJet Toner 52,000 pages
	W9052MC HP W9052MC Yellow Managed LaserJet Toner 52,000 pages
	W9053MC HP W9053MC Magenta Managed LaserJet Toner 52,000 pages
	W9054MC HP W9054MC Black Managed LaserJet Imaging Drum 160,000 pages
	W9055MC HP W9055MC Managed LaserJet Imaging Drum 145,000 pages
	W9058MC HP W9058MC Managed LaserJet Toner Collection Unit
Accessories	Y1G13A HP LaserJet Inner/Booklet Staples
	Y1G14A HP LaserJet Stapler/Stacker Finisher Staples
	Y1G16A HP LaserJet Printer Cabinet
	Y1F98A HP LaserJet Dual Cassette Department Feeder
	Y1G21A HP LaserJet 2000-sheet HCI Input Tray
	Y1G20A HP LaserJet 3000 Sheet HCI Dept Tray
	Y1G00A HP LaserJet Inner Finisher
	Y1G18A HP LaserJet Stapler/Stacker Finisher
	Y1G07A HP LaserJet Booklet Finisher
	Y1G03A HP LaserJet Inner Finisher Hole 2/4 Punch
	Y1G04A HP LaserJet Inner Finisher Swedish Punch
	Y1G11A HP LaserJet Hole Punch 2/4 Accessory
	Y1G12A HP LaserJet Hole Punch Swedish Accessory
	CC487A HP LaserJet MFP Analog Fax Accessory 500
	B5L28A HP Internal USB Ports
	B5L29A HP High-Performance Secure Hard Disk
	B5L31A HP Foreign Interface Harness
	F5S62A HP Trusted Platform Module Accessory
Connectivity	J8030A HP Jetdirect 3000w NFC/Wireless Accessory
	J8031A HP Jetdirect 2900nw Print Server
Service and support	U9LS7E HP 1 year Next Business Day Service with Defective Media Retention for Colour LaserJet E876xx MFP Managed
	U9LS8E HP 3 year Next Business Day Service with Defective Media Retention for Colour LaserJet E876xx MFP Managed
	U9LS9E HP 4 year Next Business Day Service with Defective Media Retention for Colour LaserJet E876xx MFP Managed
	U9LT0E HP 5 year Next Business Day Service with Defective Media Retention for Colour LaserJet E876xx MFP Managed
	U9LT8PE HP 1 year Post Warranty Next Business Day Service with Defective Media Retention for Colour LaserJet E876xx MFP Managed
	U9LT9PE HP 2 year Post Warranty Next Business Day Service with Defective Media Retention for Colour LaserJet E876xx MFP Managed
	U9LT4E HP 1 year Next Business Day Parts Exchange Service for Colour LaserJet E876xx MFP Managed
	U9LT5E HP 3 year Next Business Day Parts Exchange Service for Colour LaserJet E876xx MFP Managed
	U9LT6E HP 4 year Next Business Day Parts Exchange Service for Colour LaserJet E876xx MFP Managed
	U9LT7E HP 5 year Next Business Day Parts Exchange Service for Colour LaserJet E876xx MFP Managed
	U9LU2PE HP 1 year Post Warranty Next Business Day Parts Exchange Service for Colour LaserJet E876xx MFP Managed
	U9LU3PE HP 2 year Post Warranty Next Business Day Parts Exchange Service for Colour LaserJet E876xx MFP Managed

Technical specifications

Model	HP Color MFP E87640dn	HP Color Flow MFP E87650dn	HP Colour MFP E87660dn	HP Color Flow MFP E87640z	HP Color Flow MFP E87650z	HP Color Flow MFP E87660z
Product number	X3A73A + X3A87A or Z8Z12A	X3A73A + X3A90A or Z8Z14A	X3A73A + X3A93A or Z8Z16A	X3A76A + X3A86A or Z8Z13A	X3A76A + X3A89A or Z8Z15A	X3A76A + X3A92A or Z8Z17A
Functions	Print, Copy, Scan (fax and wireless optional)					
Control panel	20.3 cm (8.0-in) Colour Graphics Display (CGD) with touchscreen; Rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket			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		
Print						
Print technology	Laser					
Print speed[3]	**Black (A4, normal):** Up to 40 ppm; **Colour (A4, normal):** Up to 40 ppm; **Black (A4, duplex):** Up to 40 ipm; **Black (A3, normal):** Up to 20 ppm; **Colour (A3, normal):** Up to 20 ppm	**Black (A4, normal):** Up to 50 ppm; **Colour (A4, normal):** Up to 50 ppm; **Black (A4, duplex):** Up to 50 ipm; **Black (A3, normal):** Up to 25 ppm; **Colour (A3, normal):** Up to 25 ppm	**Black (A4, normal):** Up to 60 ppm; **Colour (A4, normal):** Up to 60 ppm; **Black (A4, duplex):** Up to 60 ipm; **Black (A3, normal):** Up to 30 ppm; **Colour (A3, normal):** Up to 30 ppm	**Black (A4, normal):** Up to 40 ppm; **Colour (A4, normal):** Up to 40 ppm; **Black (A4, duplex):** Up to 40 ipm; **Black (A3, normal):** Up to 20 ppm; **Colour (A3, normal):** Up to 20 ppm	**Black (A4, normal):** Up to 50 ppm; **Colour (A4, normal):** Up to 50 ppm; **Black (A4, duplex):** Up to 50 ipm; **Black (A3, normal):** Up to 25 ppm; **Colour (A3, normal):** Up to 25 ppm	**Black (A4, normal):** Up to 60 ppm; **Colour (A4, normal):** Up to 60 ppm; **Black (A4, duplex):** Up to 60 ipm; **Black (A3, normal):** Up to 30 ppm; **Colour (A3, normal):** Up to 30 ppm
First page out[4]	**Black (A4, ready):** As fast as 8.1 sec; **Colour (A4, ready):** As fast as 9.2 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 7.2 sec; **Colour (A4, ready):** As fast as 8.3 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 6.9 sec; **Colour (A4, ready):** As fast as 8.0 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 8.1 sec; **Colour (A4, ready):** As fast as 9.2 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 7.2 sec; **Colour (A4, ready):** As fast as 8.3 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec	**Black (A4, ready):** As fast as 6.9 sec; **Colour (A4, ready):** As fast as 8.0 sec; **Black (A4, sleep):** As fast as 20 sec; **Colour (A4, sleep):** As fast as 20 sec
Print resolution	**Black (best):** Up to 1200 x 1200 dpi reduced speed; **Colour (best):** Up to 1200 x 1200 dpi reduced speed					
Monthly duty cycle	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 40,000	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 45,000	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 50,000	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 40,000	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 45,000	Up to 300,000 pages (A4); **Recommended monthly page volume:** Up to 50,000
Printer smart software features	Quality colour printing for a great value is a smart choice for any business. Produce premium, professional-quality colour documents at a competitive low cost with an HP Colour LaserJet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable results, day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm—and avoid extra steps with a Flow MFP designed for maximum productivity.					
Standard print languages	HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible					

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Fonts and typefaces	84 scalable TrueType fonts					
Print area	**Print margins:** Top: 4.2 mm, Bottom: 4.2 mm, Left: 4.2 mm, Right: 4.2 mm; **Maximum print area:** 311.5 x 448.7 mm					
Duplex printing	Automatic (standard)					
Copy						
Copy speed	**Black (A4):** Up to 40 cpm; **Colour (A4):** Up to 40 cpm	**Black (A4):** Up to 50 cpm; **Colour (A4):** Up to 50 cpm	**Black (A4):** Up to 60 cpm; **Colour (A4):** Up to 60 cpm	**Black (A4):** Up to 40 cpm; **Colour (A4):** Up to 40 cpm	**Black (A4):** Up to 50 cpm; **Colour (A4):** Up to 50 cpm	**Black (A4):** Up to 60 cpm; **Colour (A4):** Up to 60 cpm
Copier specifications	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; Collation; Booklet; ID Scan; Job build; Job storage; Watermark; Stamps; Book mode scans; Erase edges; Automatically detect color/mono; Image preview; **Maximum number of copies:** Up to 9999 copies; **Copy resolution:** Up to 600 x 600 dpi; **Reduce/Enlarge:** 25 to 400%			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; **Maximum number of copies:** Up to 9999 copies; **Copy resolution:** Up to 600 x 600 dpi; **Reduce/Enlarge:** 25 to 400%		
Scan						
Scan speed[5]	**Normal (A4):** Up to 90 ppm/180 ipm (black and white), up to 90 ppm/180 ipm (colour); **Duplex (A4):** Up to 90 ipm (black and white); Up to 180 ipm (colour)			**Normal (A4):** Up to 120 ppm/240 ipm (black and white); Up to 120 ppm/240 ipm (colour); **Duplex (A4):** Up to 240 ipm (black and white); Up to 240 ipm (colour)		
Scan file format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; 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)			Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)		
Scanner specifications	**Scanner type:** Flatbed, ADF; **Scan technology:** Platen Scanner CCD Digital-CIS; **Scan input modes:** Front panel applications: Copy; E-mail; Fax; Save to network folder; Save to USB; Save to device memory; Open Extensibility Platform (OXP) applications; **Twain version:** Version 2.1; **Duplex ADF scanning:** Yes; **Optical scan resolution:** Up to 600 x 600 dpi					
Scanner Advanced Features	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB; Scan-to-SharePoint					
Scannable area	**Minimum media size (flatbed):** 25 mm; **Minimum media size (ADF):** 105 x 148 mm					
Bit depth/ Grey scale levels	24-bit / 256					
Digital sending	**Standard:** 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			**Standard:** 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		
Fax						
Fax[6]	Optional, 33.6 kbps					
Fax specifications	**Fax resolution:** Standard: 203 x 98 dpi; Fine: 203 x 196 dpi; Superfine: 203 x 392 dpi or 300 x 300; **Quick dialing:** Up to 1,000 numbers (each with 210 destinations)					
Processor speed	1.2 GHz					
Connectivity						
Standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket					
Optional	HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 2900nw Print Server J8031A					
Wireless	No Wireless capabilities standard. There are optional accessories that support Wireless.					
Mobile printing capability [7]	Yes					
Supported network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Google Cloud Print 2.0					
Network capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet)					
Hard disk	Two 320 GB Standard, embedded HP High-Performance Secure Hard Disk, total 640GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure file erase-temporary job files, secure erase-job data, secure ATA erase-disk).					
Memory	**Standard:** 7 GB; **Maximum :** 7 GB					
Media handling						
Number of paper trays	**Standard:** 3; **Maximum:** 6					
Media types	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-Weight Glossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, Extra Heavy Glossy 131-175g, HP Matte 200g, 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 size	**Custom (metric):** Tray 1: 98 x 139.7 to 308 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 **Supported (metric):** Tray 1: A3, A4, A4R, A5, A5R, A6, SRa3, SRA3, Ra4, B4 (JIS), B5 (JIS), B6 (JIS), Oficio, 8K, 16k, Postcard, Dpostcard (JIS); Envelope B5, Envelop C5, Envelope C6, Envelope DL; Tray 2: A4, A4R, A5, A5R, Ra4, B4 (JIS), B5 (JIS), B6(JIS), Oficio, 8K, 16k, Envelope B5, Envelop C5, Envelope C6, Envelope DL; Tray 3: A3, A4, A4R, A5,A5R, Ra3, Ra4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k **ADF:** Oficio; Executive; Statement; Ledger; A3;A4; A4R; A5; A6; B4;B5; 16K; Dpostcard (JIS)					
Media handling	**Standard output:** 500 sheet face-down output bin **Optional input:** Optional 2,000 sheet tray; Optional 3000 sheet tray					
Media weight	Tray 1, 2, 3: 60 to 300 g/m² **ADF:** Simplex: 42 to 220 g/m²; Duplex: 60 to 220 g/m²					

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Product number	X3A73A + X3A87A or Z8Z12A	X3A73A + X3A90A or Z8Z14A	X3A73A + X3A93A or Z8Z16A	X3A76A + X3A86A or Z8Z13A	X3A76A + X3A89A or Z8Z15A	X3A76A + X3A92A or Z8Z17A
Input capacity	**Tray 1:** Sheets: 100; Envelopes: 40; **Tray 2:** Sheets: 520; Envelopes: 40; **Tray 3:** Sheets: 520; **Maximum:** Up to 6,140 sheets					
Output capacity	**Standard:** Up to 500 sheets; Envelopes: Up to 40 envelopes; **Maximum:** Up to 3,250 sheets					
Compatible operating systems	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, Windows XP SP3 32-bit editions					
Compatible network operating systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003 R2, Citrix on Windows Server 2008/2008 R2/2008 R2 SP1 Citrix on Windows Server 2012/2012 R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32/64-bit, Citrix XenApp 6.0/6.5, (for Windows Server 2008 R2 Terminal Services, 32/64-bit) Citrix XenApp 6.0/6.5/7.5, (for Windows Server 2008 R2 SP1 Terminal Services, 32/64-bit) Citrix XenApp 7.5, (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit) Citrix XenDesktop 5.6, (for Windows Server 2008 R2 Terminal Services, 32/64-bit) Citrix XenDesktop 5.6/7.0/7.5 , (for Windows Server 2008 R2 SP1 Terminal Services, 32/64-bit) Citrix XenDesktop 7.0/7.5 , (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit) Novell NetWare 6.5/SP8 Novell Clients http://www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers http://www.novell.com/iprint), Windows Server 2003/2003 R2 32/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services) , Windows Server 2008/2008 R2 32/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services) , Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)					
Minimum system requirements	**Windows:** 200 MB available hard disk space, CD-ROM or DVD drive, or Internet connection, dedicated USB or network connection or Wireless connection, OS hardware requirements see http://www.microsoft.com; **Mac:** 1 GB available hard drive space; Internet; See http://www.Apple.com; USB					
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to http://www.123.HP.com or OS App Source for printer software), Online user manuals					
Security management	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in					
Printer management	Printer Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Print Model to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administrator, PRNCON.EXE, HPPRLOG, Migrate Server Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager					
Dimensions and Weight						
Printer dimensions (W x D x H)	**Minimum:** 585 x 785 x 932.2 mm; **Maximum:** 1645 x 785 x 1190 mm					
Package dimensions (W x D x H)	831 x 685 x 1053 mm					
Printer Weight	113.1 kg					
Package weight	131.6 kg					
Operating environment	**Temperature:** 15 to 30ºC, **Humidity:** 20 to 80% RH					
Storage	**Temperature:** –10 to 40ºC, **Humidity:** 10 to 80% RH					
Acoustics	**Acoustic power emissions:** 6.5 B(A) printing color simplex using A4 paper at 40 ppm, **Acoustic pressure emissions:** 49 dB(A) printing color simplex using A4 paper at 40 ppm	**Acoustic power emissions:** 6.6 B(A) printing color simplex using A4 paper at 50 ppm, **Acoustic pressure emissions:** 50 dB(A) printing colour simplex using A4 paper at 50 ppm	**Acoustic power emissions:** 6.7 B(A) printing color simplex using A4 paper at 60 ppm, **Acoustic pressure emissions:** 51 dB(A) printing color simplex using A4 paper at 60 ppm	**Acoustic power emissions:** 6.5 B(A) printing color simplex using A4 paper at 40 ppm, **Acoustic pressure emissions:** 49 dB(A) printing colour simplex using A4 paper at 40 ppm	**Acoustic power emissions:** 6.6 B(A) printing color simplex using A4 paper at 50 ppm, **Acoustic pressure emissions:** 50 dB(A) printing colour simplex using A4 paper at 50 ppm	**Acoustic power emissions:** 6.7 B(A) printing color simplex using A4 paper at 60 ppm, **Acoustic pressure emissions:** 51 dB(A) printing colour simplex using A4 paper at 60 ppm
Power	**Requirements[8]:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Consumption:** 854 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off); **Typical Electricity Consumption (TEC)[9]:** Blue Angel: 2.702 kWh/Week; Energy Star: 2.683 kWh/Week; Best[10]: Blue Angel: 2.702 kWh/Week; Energy Star: 2.683 kWh/Week; **Power supply type:** Internal (Built-in) power supply	**Requirements[8]:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Consumption:** 951 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off); **Typical Electricity Consumption (TEC)[9]:** Blue Angel: 3.283 kWh/Week; Energy Star: 3.318 kWh/Week; Best[10]: Blue Angel: 3.283 kWh/Week; Energy Star: 3.318 kWh/Week; **Power supply type:** Internal (Built-in) power supply	**Requirements[8]:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Consumption:** 1121 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off); **Typical Electricity Consumption (TEC)[9]:** Blue Angel: 3.974 kWh/Week; Energy Star: 3.860 kWh/Week; Best[10]: Blue Angel: 3.974 kWh/Week; Energy Star: 3.860 kWh/Week; **Power supply type:** Internal (Built-in) power supply	**Requirements[8]:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Consumption:** 854 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off); **Typical Electricity Consumption (TEC)[9]:** Blue Angel: 2.702 kWh/Week; Energy Star: 2.683 kWh/Week; Best[10]: Blue Angel: 2.702 kWh/Week; Energy Star: 2.683 kWh/Week; **Power supply type:** Internal (Built-in) power supply	**Requirements[8]:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Consumption:** 951 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off); **Typical Electricity Consumption (TEC)[9]:** Blue Angel: 3.283 kWh/Week; Energy Star: 3.318 kWh/Week; Best[10]: Blue Angel: 3.283 kWh/Week; Energy Star: 3.318 kWh/Week; **Power supply type:** Internal (Built-in) power supply	**Requirements[8]:** Input voltage: 220 to 240 Vac (+/- 10%), 50/60 Hz (+/- 3 Hz); **Consumption:** 1121 watts (printing), 65 watts (ready), 12 watts (sleep), 0.5 watts (auto-off), 0.1 watts (off); **Typical Electricity Consumption (TEC)[9]:** Blue Angel: 3.974 kWh/Week; Energy Star: 3.860 kWh/Week; Best[10]: Blue Angel: 3.974 kWh/Week; Energy Star: 3.860 kWh/Week; **Power supply type:** Internal (Built-in) power supply
Certifications	CISPR 22:2008 (International) - Class A, CISPR 32: 2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU, other EMC approvals as required by individual countries ENERGY STAR® qualified; EPEAT® Silver; CECP **Blue Angel compliant:** Yes, Blue Angel DE-UZ 205					
What's in the box	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Assembly-CD WW; Hardware install and setup documentation; Support flyers. DOES NOT INLCLUDE TONER					
Warranty	90 day parts only. Extended Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.					

Footnotes

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

[2] Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://www.hpconnected.com.

[3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[4] Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at http://www.hp.com/go/printsecurity.

[5] Feature available only on the Z bundles.

Technical specifications disclaimers

[1] 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 http://www.hp.com/go/learnaboutsupplies

[2] 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.

[3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[4] 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.

[5] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[6] Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for 34V and 6 sec/page for 17V

[7] Optional Wireless Direct and Wireless

[8] 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.

[9] 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.

http://www.hp.com/uk