



HP PageWide Managed Color MFP E58650 series

Ultimate value,³ fastest speeds,¹ and deepest security² for today's enterprise.

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.

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/learnaboutsups>



HP PageWide Managed Color MFP E58650dn



HP PageWide Managed Color Flow MFP E58650z

Professional color, breakthrough total cost

- Results you expect and lasting value—breakthrough total cost of ownership, the lowest in its class.³
- Print professional-quality color on a variety of papers—perfect for office use.
- Print up to 2.5x more pages⁴ and replace less often than standard cartridges⁵ with high-yield options.
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.⁶

Enterprise productivity at unmatched speeds¹

- Wait less, print more with unmatched speeds¹—up to 75 ppm—and superfast first-page printing.
- Fast two-sided scanning—up to 70 ipm⁸—and HP EveryPage help workgroups capture data with confidence.
- Enter data quickly with the pull-out keyboard and transfer scans into editable text, using built-in OCR.⁹
- Queue jobs, embed solutions, and use multiple functions at once—scan, copy, or fax while someone is printing.

Unparalleled fleet security and management²

- Embedded features detect security threats and heal your MFP, protecting it from boot up to shutdown.¹⁰
- Help protect data on the MFP and in transit, using embedded security features and 256-bit encryption.¹⁰
- Help build business efficiency with HP Web Jetadmin,¹¹ plus deploy over HP and 180 third-party solutions.
- Employ policy-based, fleet-wide protection features, using optional HP JetAdvantage Security Manager.¹²

Proven technology. Outstanding energy efficiency.

- Add a spot of color to documents without raising costs.¹⁴ Regulate color use with HP Color Access Control.
- Print up to 16,000 color pages and up to 21,000 black-and-white pages—and go longer between replacements.⁵
- Conserve with HP PageWide Technology—designed to use less energy than any MFP in its class.¹³
- Get professional-quality color documents and the performance you expect with Original HP PageWide cartridges.

¹ Comparison of Enterprise devices based on manufacturers' published specifications of fastest available color mode of color business A4 MFPs \$1000–\$3000 USD as of November 2015, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q3 2015. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://www.hp.com/go/printerspeeds>

² Only HP Enterprise-class devices with FutureSmart offer a combination of security features for integrity checking down to the BIOS with self-healing capabilities. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersthatprotect>

³ Total cost of ownership Enterprise comparison based on 150,000 pages, manufacturers' published specifications for page yields and energy use, manufacturers' suggested retail price for HP hardware and supplies, average street prices for competitive devices, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, and long-life consumables of all color business A4 MFPs \$1000–\$3000 USD as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Learn more at <http://www.hp.com/go/pagewideclaims>

⁴ Yield based on ISO 24711 cartridge yields for HP 981YC Extra High Yield Original PageWide Cartridges, which are not included in printer purchase; purchase separately. Comparison based on ISO 24711 cartridge yields for HP 981YC Extra High Yield Original PageWide Cartridges compared with HP 981 series Original PageWide Cartridges. Learn more at <http://www.hp.com/go/learnaboutsups>

⁵ Based on ISO 24711 cartridge yields for HP 981 series High Yield Original PageWide Cartridges compared with HP 981 series Original PageWide Cartridges. Learn more at <http://www.hp.com/go/learnaboutsups>

⁶ Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class color laser printers and A4 MFPs \$1000–\$3000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Learn more at <http://www.hp.com/go/pagewideclaims>

⁷ Wireless networking requires purchase of the HP Jetdirect Z900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and it may be limited during active VPN connections.

⁸ Scan speeds for E58650z are up to 70 images per minute (ipm) for A4 paper size; up to 74 ipm for letter size. Scan speeds for E58650dn are up to 44 ipm for A4 size; up to 46 ipm for letter size. Scan-to functions 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>

⁹ Embedded OCR is intended for occasional use. For high-volume OCR usage, consider optional server-based HP Digital Sending Software.

¹⁰ 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>

¹¹ HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin>

¹² Based on HP internal research on competitor offerings (Device Security Comparison January 2015), and Solutions Report on HP JetAdvantage Security Manager 2.1 from Buyers Laboratory LLC, February 2015. Requires separate purchase. For details, see <http://www.hp.com/go/securitymanager>

¹³ Energy claim for Enterprise devices based on TEC data reported on energystar.gov. Data normalized to determine energy efficiency of majority of in-class color laser MFPs \$1000–\$3000 USD and color laser printers \$500–\$1249 USD as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary. Learn more at <http://www.hp.com/go/pagewideclaims>

¹⁴ Available only as part of an HP Managed Print Services contract. Feature applies to pages with the equivalent of an approximately 1/2 x 1/2-inch or 12.7 mm x 12.7 mm square of color coverage. For details, contact your HP MPS account manager.

Product walkaround

1. 100-sheet automatic document feeder (ADF) with single-pass, two-sided scanning
2. Intuitive 8-inch (20.3 cm) pivoting color touchscreen
3. Flatbed scanner handles up to 8.5 x 14 in (216 by 356 mm) paper
4. Hardware integration pocket¹ for solution integration
5. Easy-access USB port to save and print files directly
6. Front door access to ink cartridges
7. Built-in automatic two-sided printing
8. 50-sheet multipurpose tray 1
9. 500-sheet input tray 2
10. 300-sheet output bin
11. Slot for cable-type security lock
12. HP High-Performance Secure Hard Disk
13. Hi-Speed USB 2.0 printing port
14. Built-in Gigabit Ethernet
15. USB port for connecting external USB devices



Series at a glance



Model	HP PageWide Managed Color MFP E58650dn	HP PageWide Managed Color Flow MFP E58650z
Model (product number)	E58650dn	E58650z
50-sheet multipurpose tray 1; 500-sheet tray 2	√	
1x500-sheet paper tray	Optional	
3x500-sheet paper tray and stand	Optional	
Printer cabinet and stand	Optional	
HP High-Performance Secure Hard Disk	√	
Scan speed (single-pass, two-sided, letter/A4) ²³	Up to 45/43 images per minute (ipm), black; up to 40/38 ipm, color	Up to 68/64 ipm, black; up to 60/58 ipm, color
Wireless direct Printing ⁴ /NFC ⁵	Optional	
Fax	Optional	√
Advanced workflow features, including pull-out keyboard	Not available	√

¹Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

²Measured 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

³Scanning requires an Internet connection to the MFP. Services may require registration. App availability varies by country, language, and agreements. For details, see hpconnected.com.

⁴Wireless direct printing requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. 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. For details, see hp.com/go/businessmobileprinting.

⁵Touch-to-print capability requires purchase of 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.

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:

Top features

Count on exceptional value and the results enterprises need to stay ahead—HP PageWide Technology is engineered to produce professional-quality color documents for the lowest total cost of ownership in its class.³

Help elevate workgroup productivity with best-in-class print speeds,¹ blazing-fast first-page printing, and single-pass two-sided scanning. Built-in Gigabit Ethernet and wireless printing options help busy teams stay connected.⁷

Trust that this HP PageWide Managed MFP is secure from power-up to power-down. Count on strong protection for devices, data, and documents with deepest embedded printer security from HP,² and centrally manage your entire fleet with ease.

Minimize interruptions and downtime with efficient, reliable performance. Conserve resources with an MFP designed to use less energy than lasers.¹³ HP PageWide Technology is ideal for today's busy office.

Accessories

- 2MU47A** HP Accessibility Assistant
- 2NR09A** HP 2GB 144-Pin DDR3 TAA Version DIMM
- 2TD64A** HP Accessibility Kit
- 3JN69A** HP Jetdirect 3100w BLE/NFC/Wireless Accessory
- B5L28A** HP Internal USB Ports
- B5L31A** HP Foreign Interface Harness
- CC487A** HP LaserJet MFP Analog Fax Accessory 500
- E5K48A** HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
- E5K49A** HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
- F5S62A** HP Trusted Platform Module Accessory
- G1W43A** HP PageWide Enterprise 500-sheet Paper Tray
- G1W44A** HP PageWide Enterprise Printer Cabinet and Stand
- G1W45A** HP PageWide Enterprise 3x500 sheet Paper Tray and Stand
- J8030A** HP Jetdirect 3000w NFC/Wireless Accessory
- J8031A** HP Jetdirect 2900nw Print Server
- A7W12A** HP LaserJet Keyboard Overlay Kit for Simplified Chinese & Traditional Chinese

Supplies

- HP 981YC Extra High Yield Black Original PageWide Cartridge (~21000 ISO yield) LOR20YC
- HP 981YC Extra High Yield Cyan Original PageWide Cartridge (~16000 ISO yield) LOR17YC
- HP 981YC Extra High Yield Magenta Original PageWide Cartridge (~16000 ISO yield) LOR18YC
- HP 981YC Extra High Yield Yellow Original PageWide Cartridge (~16000 ISO yield) LOR19YC

Services

- U9CY3E** - HP 2 years Next business day + Defective Media Retention Color PageWide Enterprise 586 MFP HW Support
- U9CY4A** - HP 3 years Next business day + Defective Media Retention Color PageWide Enterprise 586 MFP HW Support
- U9CY4E** - HP 3 years Next business day + Defective Media Retention Color PageWide Enterprise 586 MFP HW Support
- U9CY5E** - HP 4 years Next business day + Defective Media Retention Color PageWide Enterprise 586 MFP HW Support
- U9CY6E** - HP 5 years Next business day + Defective Media Retention Color PageWide Enterprise 586 MFP HW Support
- U9CZ6PE** - HP 1 year Post Warranty Next business day + Defective Media Retention Color PageWide Enterprise 586 MFP HW Support



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HP PageWide Managed Color MFP E58650 series

Model	HP PageWide Managed Color MFP E58650dn	HP PageWide Managed Color Flow MFP E58650z
Product number	L3U42A	L3U43A
AIO functions	Print, copy, scan; AIO multitasking supported: Yes	Print, copy, scan, fax; AIO multitasking supported: Yes
Print		
Print speed^{9,7}	A4: Up to 50 ppm Black; Up to 50 ppm color; 2-sided: Up to 25 ipm Black; Up to 25 ipm color; First page out: As fast as 7.1 sec Black; As fast as 7.3 sec Color	
Print resolution	Black (best): Up to 1200 x 1200 optimized dpi (when printing from a computer on HP ColorLok paper, HP Premium Inkjet Presentation Paper Matte, and HP Inkjet Brochure Paper Matte and 600 x 600 input dpi) Color (best): Up to 2400 x 1200 optimized dpi (when printing from a computer on HP Advanced Photo Papers and 600 x 600 input dpi)	
Print technology	HP PageWide Technology; Print resolution technology: HP PageWide Technology	
Print cartridges number	4 (1 each black, cyan, magenta, yellow)	
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v.1.7)	
Printer smart software features	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	
Printer management	Printer: Administrator Resource Kit for HP Universal Print Driver (UPD Active Directory Administrator Template, Add Printer to Comments, AutoUpgradeUPD, Driver Configuration Utility, Driver Deployment Utility, HP Managed Printing Administration, PRNCON.EXE, HPPRLDG, 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	
HP Sure Supply ¹⁰	Yes	
Scan		
Scan type / Technology	Type: Flatbed, ADF; Technology: Contact Image Sensor (CIS)	
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi	
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	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 (.pdm, .pcl, .chf)
Scan input modes	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, Save to SharePoint, Open Extensibility Platform (OXP) applications
Scan Size	ADF: 216 x 356 mm Maximum; 105 x 127 mm Minimum; Flatbed: 216 x 356 mm	
Scan speed	Up to 44 ppm/44 ipm (b&w), up to 40 ppm/40 ipm (color); Duplex: Up to 44 ipm (b&w), up to 40 ipm (color)	Up to 45 ppm/70 ipm (b&w), up to 45 ppm/70 ipm (color); Duplex: Up to 70 ipm (b&w), up to 70 ipm (color)
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; 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 EVerlyPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone
Bit depth / Grayscale levels	24-bit / 256	
Digital sending standard features	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	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 Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR
Copy		
Copy speed⁹	Black (ISO): Up to 50 cpm; Color (ISO): Up to 50 cpm; @@First Copy Speed@@: As fast as 7.4 sec Black; As fast as 8.9 sec Color; 2-sided: Up to 25 cpm Black; Up to 25 cpm Color	
Copy resolution	Black (text and graphics): Up to 600 x 600 dpi (flatbed), 600 x 450 dpi (ADF); Color (text and graphics): Up to 600 x 600 dpi (flatbed), 300 x 600 dpi (ADF)	
Maximum Number 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, ID Scan, job build, edge-to-edge, job storage	
Fax		
Fax speed	3 sec per page Up to 33.6 kbps	
Fax resolution	Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard): 204 x 98 dpi	
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	
Fax Features	Auto fax reduction supported: Yes; Auto-redialing: Yes; Fax delayed sending: No; Distinctive ring detection supported: No; Fax forwarding supported: Yes; Fax phone IAM interface supported: No; Fax polling supported: Yes (poll to receive only); Fax telephone mode supported: No; Junk barrier supported: Yes; Maximum speed dialing numbers: Up to 1,000 numbers (each with 210 destinations); PC interface supported: Yes; Remote retrieval capability supported: No; Telephone handset supported: No	
Connectivity		
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	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 modern port
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 Gigabit Ethernet; iPsec (standard)	
Wireless capability	Optional, enabled with purchase of a hardware accessory	
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0	
Memory	Standard: 2048 MB; Maximum: 2816 MB	
Processor speed	1.2 GHz / 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)	1.2 GHz / 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). Note: U.S. government SKU includes FIPS 140-2 validated hard disk, minimum 500 GB
Duty cycle (monthly)	A4: Up to 120,000 pages; Recommended monthly page volume⁹: 2000 to 15,000	
Paper handling		
Input	500-sheet input tray, 50-sheet multipurpose tray, 100-sheet ADF; Up to 500 sheets Standard; Up to 37 envelopes; Not Supported; Up to 100 cards; Up to 425 sheets Labels; Not Supported Legal	
Output	Standard: 300 sheet face-down output bin; Up to 300 sheets Standard; Up to 35 envelopes; Up to 100 cards; Up to 100 sheets Labels	
Duplex Options	Automatic (standard)	
Auto document feeder capacity	Standard, 100 sheets	
Envelope feeder	No	
Standard paper trays	2	
Media types	Plain paper (light, intermediate, mid-weight, heavy, extra heavy, prepunched, recycled, bond, other inkjet plain paper), photo (glossy, gloss, soft gloss, satin, matte, other inkjet photo), envelopes, labels, cards, specialty papers (glossy brochure, matte brochure, tri-fold brochure, Hagaki, greeting cards, other inkjet specialty paper)	
Media weight	Tray 1: 60 to 120 g/m ² (plain paper); 125 to 300 g/m ² (photo); 75 to 90 g/m ² (envelope); 120 to 180 g/m ² (brochure); 163 to 200 g/m ² (card); Tray 2: 60 to 120 g/m ² (plain paper); 125 to 250 g/m ² (photo); 120 to 180 g/m ² (brochure); 163 to 200 g/m ² (card); Tray 4: 60 to 120 g/m ² (plain paper); 125 to 250 g/m ² (photo); 120 to 180 g/m ² (brochure); 163 to 200 g/m ² (card); Tray 5: 60 to 120 g/m ² (plain paper); 125 to 250 g/m ² (photo); 120 to 180 g/m ² (brochure); 163 to 200 g/m ² (card)	
Media sizes	Tray 1: Office; A4; A5; A6; B5 (JIS); B6 (JIS); 16K; 10 x 15 cm; L; Hagaki; envelopes (B5; C5; C6; DL; Chou #3; Chou #4); Tray 2: A4; A5; B5 (JIS); 16K; envelopes (DL; B5; C5; C6; Chou #3); Optional Tray 3: A4; A5; B5 (JIS); 16K; Optional Tray 4: A4; A5; B5 (JIS); 16K; Optional Tray 5: A4; A5; B5 (JIS); 16K	
Media Sizes Custom	Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 102 x 210 to 216 x 297 mm; Optional 500-sheet tray 3: 102 x 210 to 216 x 356 mm; Optional 500-sheet tray 4: 102 x 210 to 216 x 356 mm; Optional 500-sheet tray 5: 102 x 210 to 216 x 356 mm	
Dimensions (w x d x h)	530 x 564 x 529 mm; Maximum: 934 x 752 x 786 mm, (with left door open, main paper tray open, document feeder lifted)	
Weight¹	32.3 kg	
What's in the box	HP PageWide Managed Color MFP E58650dn; HP Setup Ink Cartridges (yield after setup ~6000 pages CMYK); Installation guide, Support flyer; Software drivers and documentation on CD-ROM; Power cord	HP PageWide Managed Color Flow MFP E58650z; HP Setup Ink Cartridges (yield after setup ~6000 pages CMYK); Installation guide, Support flyer; Software drivers and documentation on CD-ROM; Power cord
Replacement cartridges³	HP 981Y Extra High Yield Black Original PageWide Cartridge (~21000 ISO yield) LOR20YC; HP 981YC Extra High Yield Cyan Original PageWide Cartridge (~16000 ISO yield) LOR18YC; HP 981Y Extra High Yield Yellow Original PageWide Cartridge (~16000 ISO yield) LOR19YC	
Warranty features	One-year, next-business day, onsite warranty. 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.	
Energy efficiency compliance	ENERGY STAR® qualified, CEE/CrEPAT® Silver	
Control panel	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	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
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	
Software included	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 Connected, Online user manuals; For Mac OS: Welcome screen directs users to HP.com or OS application source for printer software	
Fonts and typefaces	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 iPDFs Emulation available at http://www.hp.com/go/laserjetfonts	
Compatible operating systems¹	Windows OS compatible with In-Box Driver: 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 10 all 32- & 64-bit editions (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); Mac OS (HP Print Drivers available from HP.com and Apple Store), OS X 10.9 Mavericks, OS X 10.10 Yosemite, OS X 10.11 El Capitan; Mobile OS (in-OS drivers) iOS, Android, Windows 8/8.1/10 RT; Linux OS (in-OS HPLIB, SUSE Linux (12,2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10, Debian (6.0.x, 7.x); Other OS: UNIX	
Compatible network operating systems	Windows OS compatible with In-Box Driver: 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); From HP.com: Windows OS compatible with Universal Print Driver (UPD) or Product-Specific drivers; Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ 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); Citrix (on Windows Server: 2003/2003R2), Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3), Citrix on Windows Server 2008/2008R2, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3), Citrix XenApp 6.0/6.5/7.5, Citrix XenDesktop 5.6/7.0/7.5, Citrix on Windows Server 2012/2012R2, Citrix XenApp 7.5, Citrix XenDesktop 7.0/7.5; Novell Servers: www.novell.com/Print, Novell iPrint Appliance v1.0, Novell Open Enterprise Server v1.0, Novell Open Enterprise Server 2 for Linux, NetWare 6.5/SP8, Novell Clients on www.novell.com/Print; Windows 8 (32-bit / 64-bit) recommend v5.86+, 8.1 recommend v5.94+, Windows 7 (32-bit / 64-bit) recommend v5.82+, Windows Vista (32-bit / 64-bit) recommend v5.82+, Windows XP / SP3 (32-bit only) recommend v5.82+	
Minimum system requirements	PC: CD-ROM or DVD drive, or Internet connection; dedicated USB or network connection or Wireless connection; 200 MB available hard disk space; (For OS hardware requirements see microsoft.com); Mac: Internet, USB, 1 GB available hard drive space; OS compatible hardware; (See Apple.com)	
Power¹²	Power supply type: Internal (built-in) power supply; Power supply required: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); Power consumption: 26.5 watts (printing), 0.65 watts (ready), 0.65 watts (min sleep), 8.45 watts (max sleep), 0.3 watts (manual-off), 0.3 watts (auto-off/manual-on); Typical electricity consumption (TEC) number: BA: 1.148 kWh/wk; ES: 1.869 kWh/wk	Power supply type: Internal (built-in) power supply; Power supply required: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); Power consumption: 26.5 watts (printing), 0.65 watts (ready), 0.65 watts (min sleep), 8.45 watts (max sleep), 0.3 watts (manual-off), 0.3 watts (auto-off/manual-on); Typical electricity consumption (TEC) number: BA: 1.148 kWh/wk; ES: 1.877 kWh/wk
Acoustics	Acoustic power emissions: 6.8 B(A), printing color simplex A4 at 50 ppm	
Operating environment	Operating temperature range: 15 to 30°C; Recommended operating temperature: 15 to 30°C; Storage temperature range: Before initial setup (Non-Purged): -40 to 60°C; After initial setup (Purged): 0 to 60°C. If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer). Operating humidity range: 20 to 80% RH; Recommended operating humidity range: 20 to 60% RH	
Security management	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, H1TPS, 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, HP Sure Start, intrusion detection, whitelisting, optional Trusted Platform Module; Security management: Compatible with optional HP JetAdvantage Security Manager	

¹ With ink installed, no media in trays

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.

³ Average color composite (cyan/magenta/yellow) pages and black yields based on ISO/IEC 24711 or HP testing methodology and continuous printing. Actual yield varies considerably based on content of printed pages and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>

⁴ First Copy Out and Copy Speed measured using ISO/IEC 29183, 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.

⁵ Upgradeable with 1GB DIMM

⁶ ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims>

⁷ Exact speed varies depending on the system configuration, software application, driver and document complexity.

⁸ 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.

⁹ HP recommends that the number of scanned pages per month be within the stated range for optimum device performance

¹⁰ 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>

¹¹ 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; HP Software for Mac is no longer included on the CD, but can be downloaded from hp.com; The Mac printer drivers are installed for Mac operating systems.

¹² Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

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