HP PageWide Managed Color MFP E58650 series

Ultimate value,[3] fastest speeds,[1] and deepest security[2] 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.

HP PageWide Managed Color Flow MFP E58650z

HP PageWide Managed Color MFP E58650dn

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 pages[4] and replace less often than standard cartridges[5] with high-yield options.
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.[6]

Enterprise productivity at unmatched speeds[1]

- Wait less, print more with unmatched speeds[1]—up to 75 ppm—and superfast first-page printing.
- Fast two-sided scanning—up to 70 ipm[8]—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 management[2]

- 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]

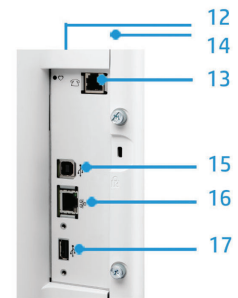### Proven technology. Outstanding energy efficiency.

- 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.

Product walkaround

1. 100-sheet automatic document feeder (ADF) with single-pass, two-sided scanning—with HP EveryPage (586z only)
2. Intuitive 20.3 cm (8-inch) pivoting colour touchscreen
3. Flatbed scanner handles up to 216 x 356 mm paper
4. Hardware integration pocket[1] for solution integration
5. Easy-access USB port to save and print files directly
6. Pull-out keyboard for easy, accurate data entry (586z model only)
7. Front door access to ink cartridges
8. Built-in automatic two-sided printing
9. 50-sheet multipurpose tray 1
10. 500-sheet input tray 2
11. 300-sheet output bin
12. HP High-Performance Secure Hard Disk
13. Fax port
14. Slot for cable-type security lock
15. Hi-Speed USB 2.0 printing port
16. Built-in Gigabit Ethernet
17. USB port for connecting external USB devices

Front view

Rear I/O panel close-up

Series at a glance

Model	HP PageWide Managed Color Flow MFP E58650z	HP PageWide Managed Color MFP E58650dn
Product number	L3U43A	L3U42A
50-sheet multipurpose tray 1; 500-sheet tray 2	Yes	
1x500-sheet paper tray	Optional	
3x500-sheet paper tray and stand	Optional	
Printer cabinet and stand	Optional	
HP High-Performance Secure Hard Disk	Yes	
Scan speed (single-pass, two-sided, A4)[2,3]	Up to 70 ipm, black and colour	Up to 44 images per minute (ipm), black; up to 40 ipm, colour
Wireless direct printing[4]/NFC[5]	Optional	
Fax	Yes	Optional
Advanced workflow features, including pull-out keyboard	Yes	Not available

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

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.

Product

L3U43A	HP PageWide Managed Color Flow MFP E58650z
L3U42A	HP PageWide Managed Color MFP E58650dn

Accessories

B5L28A	HP Internal USB Ports
CC487A	HP LaserJet MFP Analog Fax Accessory 500
E5K48A	HP 1 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

Replacement cartridges

L0R20YC	HP 981YC Extra High Yield Black Original PageWide Cartridge (~21,000 ISO yield)
L0R17YC	HP 981YC Extra High Yield Cyan Original PageWide Cartridge (~16,000 ISO yield)
L0R18YC	HP 981YC Extra High Yield Magenta Original PageWide Cartridge (~16,000 ISO yield)
L0R19YC	HP 981YC Extra High Yield Yellow Original PageWide Cartridge (~16,000 ISO yield)
B5L09A	HP Officejet Enterprise Ink Collection Unit

HP Care Packs

U9DA1E	HP 3-year Next Business Day + DMR Color PageWide E58650 MFP Managed Hardware Supplies
U9DA2E	HP 4-year Next Business Day + DMR Color PageWide E58650 MFP Managed Hardware Supplies
U9DA3E	HP 5-year Next Business Day + DMR Color PageWide E58650 MFP Managed Hardware Supplies
U9DA4E	HP 1-year Post Warranty Next Business Day + DMR Color PageWide E58650 MFP Managed Hardware Supplies
U9DA5E	HP 2-year Post Warranty Next Business Day + DMR Color PageWide E58650 MFP Managed Hardware Supplies

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

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

HP PageWide Managed Color MFP E58650 series

Model	HP PageWide Managed Color Flow MFP E58650z	HP PageWide Managed Color MFP E58650dn
Product number	L3U43A	L3U42A
Functions	Print, copy, scan, fax	Print, copy, scan
Print		
Duplex print options	Automatic (standard)	
Print speed[6]	**Black (A4, normal):** Up to 50 ppm; **Black (letter, normal):** Up to 50 ppm; **Black (A4, duplex):** Up to 25 ipm; **Black (letter, duplex):** Up to 25 ipm **Color (A4, normal):** Up to 50 ppm; **Color (letter, normal):** Up to 50 ppm; **Color (A4, duplex):** Up to 25 ipm; **Color (letter, duplex):** Up to 25 ipm	
First page out[7]	**Black (A4, ready):** As fast as 7.1 sec; **Color (A4, ready):** As fast as 7.3 sec; **Black (A4, sleep):** As fast as 14 sec; **Color (A4, sleep):** As fast as 15 sec	
Print technology	HP PageWide Technology	
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 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 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 Administration, PRNCON.EXE, HPPRLOG, Migrate-Server-Tools, UpdateNow, Remove Plug and Play Drivers); HP Web Jetadmin Software; Resource Kit for HP Web Jetadmin (HP SNMP Proxy Agent, HP WS Pro Proxy Agent); HP JetAdvantage Security Manager	
Scan		
Scan technology	**Type:** Flatbed, ADF; **Technology:** Contact Image Sensor (CIS)	
Scan speed	**Normal (A4):** Up to 45 ppm/70 ipm (b&w), up to 45 ppm/70 ipm (color)	**Normal (A4):** Up to 44 ppm/44 ipm (b&w), up to 40 ppm/40 ipm (color)
Scan resolution	**Enhanced:** Up to 600 dpi; **Hardware:** Up to 600 x 600 dpi; **Optical:** Up to 600 dpi	
Digital sending standard features	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	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
Color scanning	Yes	
Scan Size	**Flatbed:** 216 x 356 mm; **ADF:** 216 x 356 mm	
Scan input modes	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	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications
Scan file format	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
Copy		
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	**Black (A4):** As fast as 7.4 sec; **Color (A4):** As fast as 8.9 sec; **Black (A4, sleep):** As fast as 15 sec; **Color (A4, sleep):** As fast as 16 sec; **Black (letter):** As fast as 7 sec; **Color (letter):** As fast as 9 sec; **Black (letter, sleep):** As fast as 15 sec	
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)	
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, ID Scan, job build, edge-to-edge, job storage	
Fax		
Fax speed	33.6 kbps / 3 sec per page	
Fax resolution	**Black (best):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Black (standard):** 204 x 98 dpi; **Black and white (fine):** 204 x 196 dpi; **Black photo grayscale:** 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)	
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	
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; 1 Fax modem port	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
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0	
Wireless capability	Optional, enabled with purchase of a hardware accessory	
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)	
Memory	**Standard:** 2048 MB; **Maximum:** 4096 MB	
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	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).
Processor speed	1.2 GHz	
Duty cycle (monthly)	Up to 120,000 pages; **Recommended monthly page volume**[8]: 2000 to 15,000	
Paper handling		
Input	500-sheet input tray, 50-sheet multipurpose tray, 100-sheet ADF	
Output	300 sheet face-down output bin	
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/m² (plain paper); 125 to 300 g/m² (photo); 75 to 90 g/m² (envelope); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card); Tray 2: 60 to 120 g/m² (plain paper); 125 to 250 g/m² (photo); 75 to 90 g/m² (envelope); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card); Tray 3: 60 to 120 g/m² (plain paper); 125 to 250 g/m² (photo); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card); Tray 4: 60 to 120 g/m² (plain paper); 125 to 250 g/m² (photo); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card); Tray 5: 60 to 120 g/m² (plain paper); 125 to 250 g/m² (photo); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card)	
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	
Weight	32.3 kg	
What's in the box	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	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
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	
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.	

HP PageWide Managed Color MFP E58650 series

Model	HP PageWide Managed Color Flow MFP E58650z	HP PageWide Managed Color MFP E58650dn
Product number	L3U43A	L3U42A

Systems		
Compatible operating systems[11]	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 OS compatible with Universal Print Driver (From HP.com), Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 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 HPLIP, 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	
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)	
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 WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140-2 validated cryptographic libraries), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, hardware integration pocket for security solutions, HP Sure Start, intrusion detection, whitelisting, optional Trusted Platform Module; Security management: Compatible with optional HP JetAdvantage Security Manager	
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 IPDS Emulation available at http://www.hp.com/go/laserjetfonts	
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; Extended Keyboard	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
Display	8.0 in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	
Energy efficiency compliance	ENERGY STAR® qualified, CECP, EPEAT® Silver	
ENERGY STAR Qualified	Yes	
Power	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power consumption²:** 62 watts (printing), 26.5 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 number¹²:** 1.148 kWh/Week (Blue Angel); 1.513 kWh/Week (Energy Star 3.0)	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); **Power consumption²:** 62 watts (printing), 26.5 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 number¹²:** 1.148 kWh/Week (Blue Angel); 1.523 kWh/Week (Energy Star 3.0)
Acoustics	Acoustic power emissions: 6.8 B(A), printing color simplex A4 at 50 ppm ; Acoustic power emissions (ready): 3.5 B(A) ; Acoustic pressure emissions bystander (ready): 15 dB(A)	
Environmental ranges	**Operating temperature range:** 15 to 30ºC ; **Recommended operating temperature:** 15 to 30ºC ; **Non-operating humidity range:** 5 to 90% RH ; **Operating humidity range:** 20 to 80% RH ; **Recommended operating humidity range:** 20 to 60% RH	
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013; EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 / +AC:2011; EN 62479:2010 / IEC 62479:2010; Compliance of IEC 60950-1 standard considers all country deviations according to the most recent IECEE CB Bulletin; UL/cUL Listed and UC CoC (US/Canada); GS Certificate (Germany, Europe); Low Voltage Directive 2006/95/EC with CE Mark (Europe)	
Supported network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print	

Footnotes

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 and http://www.hp.com/go/learnaboutsupplies
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/learnaboutsupplies
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/learnaboutsupplies
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 2900nw 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 ½ x ½-inch or 12.7 mm x 12.7 mm square of color coverage. For details, contact your HP MPS account manager.

Product walkaround disclaimers

1 Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
2 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.
3 Scanning requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see hpconnected.com.
4 Wireless 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.
5 Touch-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.

Technical specifications disclaimers

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, Upgradeable with 2GB 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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