



HP PageWide Enterprise Color Flow MFP 785z+

Modern business demands forward-thinking technology—it's why HP engineered the next generation of HP PageWide Enterprise to deliver a competitive edge from every angle: lowest color cost,¹ maximum uptime, and the industry's strongest security.²



The lowest cost for color¹

- Get the quality you expect with HP PageWide Technology that delivers the lowest cost per color page.¹
- Print more pages and replace cartridges less often with optional high-yield cartridges.³
- Print even faster—and save even more per page—by setting this printer to General Office mode.⁴
- Help keep energy costs down with the most efficient MFP in its class.⁵

Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide device designed for the least maintenance in its class.⁶
- Print speeds up to 50% faster than competitors—as fast as 75 ppm in color and black-and-white.⁷
- Organize, staple, collate, and hole-punch with advanced external finishing that helps you ramp up production.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.⁸

The world's most secure printing²

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.⁹
- Monitor activity 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.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.



¹ Lowest cost per color page claim applies to devices that are not sold under contract: Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs (\$3000-\$7499 and €2820-€7049) and color ink/laser single function printers (\$1500-\$2999 and €1410-€2819) as of January/February 2017; market share as reported by IDC as of Q4 2016. Cost per page (CPP) reported by gap intelligence Pricing & Promotions Report January/February 2017; comparisons for devices/supplies not sold under contract are based on published specifications of the manufacturers' highest-capacity cartridges, inclusive of long life consumables and page yield. Average HP yield based on ISO/IEC 24711 and continuous printing in default mode. Actual yield varies based on content of printed pages and other factors. For more information, see <http://www.hp.com/go/learnaboutsupsupplies> and <http://www.hp.com/go/PageWideClaims> ² 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> ³ High-yield cartridges are not included in printer purchase; purchase separately. Learn more at <http://www.hp.com/go/learnaboutsupsupplies> ⁴ Comparison based on printing in Professional Mode. ⁵ Energy claim based on TEC data reported on energystar.gov as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary. ⁶ Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio); market share as reported by IDC as of Q3 2016. Learn more at <http://www.hp.com/go/learnaboutsupsupplies> ⁷ Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs (\$3000-\$7499 and €2820-€7049) and color ink/laser single function printers (\$1500-\$2999 and €1410-€2819) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://www.HP.com/go/printerspeeds> ⁸ 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> ⁹ 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> ¹⁰ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

HP PageWide Enterprise Color Flow MFP 785z+ Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax / Yes	Paper Handling	100-sheet multipurpose tray, 550-sheet input tray; 3000 sheet lower bin; Duplex Options: Automatic (standard); Auto Document Feeder Capacity: Standard, 200 sheets; Envelope Feeder: No; Standard Paper Trays: 2 additional required purchase of the HP PageWide 550-sheet Paper Tray and Stand W1B50A, HP PageWide 3x550-sheet Paper Tray and Stand W1B51A or HP PageWide 4000-sheet HCI Paper Tray and Stand W1B52A; Input Capacities: Up to 650 sheets Standard; Up to 10 envelopes; Up to 1840 sheets labels; Up to 650 sheets (MP tray) legal; Output Capacities: Up to 3000 sheets (80 g/m ²) standard
Print Speed	A4: Up to 55 ppm; Letter: Up to 55 ppm black; Up to 55 ppm; Letter: Up to 55 ppm color ⁴ First Page Out: As fast as 7.0 sec black; As fast as 7.0 sec color ²	What's in the box	Z5G75A HP PageWide Enterprise Color Flow MFP 785z+; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Print Resolution	Black (best): Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); Color (best): Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)	Replacement Cartridges	HP 992A Black Original PageWide Crtg (10,000 yield) T0B26A; HP 992A Cyan Original PageWide Crtg (8,000 yield) T0B23A; HP 992A Magenta Original PageWide Crtg (8,000 yield) T0B24A; HP 992A Yellow Original PageWide Crtg (8,000 yield) T0B25A; HP 992X Black Original PageWide Crtg (20,000 yield) T0B30A; HP 992X Cyan Original PageWide Crtg (16,000 yield) T0B27A; HP 992X Magenta Original PageWide Crtg (16,000 yield) T0B28A; HP 992X Yellow Original PageWide Crtg (16,000 yield) T0B29A
Print Technology	HP PageWide Technology	Product Dimensions	W x D x H: 1245 x 693 x 1222 mm; 49.0 x 27.3 x 48.1 in; Maximum: 2495 x 1175 x 1535 mm (with all doors and trays open, and document feeder lifted); 98.2 x 46.3 x 60.4 in (with all doors and trays open, and document feeder lifted)
Print Resolution Technologies	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi	Product Weight	171.0 kg; 376.3 lb
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)	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. (wty code 4G)
Standard Print languages	HP PCL 6; HP PCL 5c; HP Postscript level 3 emulation; PDF 1.7	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
Printer Smart Software Features	HP SureStart; Run-time intrusion detection; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web JetAdmin; Open Extensibility Platform; FutureSmart Firmware; HP ePrint; Apple AirPrint™; HP Auto-On/Off technology; HP Color Access Control; HP EasyColor; Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless	Display Description	8.0 in (20.3 cm) touchscreen, XGA Color Graphic Display (CGD)
Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver	Software Included	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
Scan Type / Technology	Flatbed, ADF / Charge Coupled Device (CCD) & Contact Image Sensor (CIS)	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
Scan Resolution	Hardware: Up to 600 ppi; Optical: Up to 600 ppi	Compatible Operating Systems	Android, Linux (Red Hat Enterprise Linux 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 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
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 (.pml, .pct, .ch)	Compatible Network Operating Systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 2, 2 and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 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- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 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 www.novell.com/print , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/print , 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 (SP1) 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)
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 (OXF) applications	Minimum System Requirements	PC: 2 GB available hard disk space, OS hardware requirements see microsoft.com ; MAC: 1.3 GB available hard drive space; Internet; OS hardware requirements see apple.com for more info
Scan Size	ADF: 297 x 432 mm; Up to 297 x 1000 mm when "long scan size" selected; 11.7 x 17 in; Up to 11.7 x 39 in when "long scan size" selected Maximum; 68 x 148 mm, 2.7 x 5.8 in Minimum; Flatbed: 11.7 x 17 in; 297 x 432 mm	Power	Power Supply Type: Internal (Built-in) power supply; Power Requirements: Input voltage: 100 to 240 VAC, 50/60 Hz; Power Consumption: 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off) ¹
Scan Speed	Up to 120 ipm simplex and up to 240 ipm duplex ⁶ ; Duplex: Up to 120 ipm simplex and up to 240 ipm duplex	Operating Environment	Operating Temperature Range: 15 to 30°C; Recommended Operating Temperature: 17 to 25°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); Non-Operating Humidity Range: 10 to 80% RH; Operating Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to 70% RH
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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	Security Management	Identity Management; Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication, Supports WIA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions, 18 Intrusion Detection with Red Balloon Security Technology (Constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), Whitelisting (loads only known good code (DLLs, EXEs, etc.); Security Management: Compatible with HP JetAdvantage Security Manager; 21 Device Security Syslog Messages processed and accessible in ArcSight and Splunk; SIEMs; For more security settings go to http://h10032.www1.hp.com/ctj/Manual/c03602120
Bit Depth / Grayscale levels	24-bit / 256	Accessories	HP PageWide 550-sheet Paper Tray A7W99A, HP PageWide 550-sheet Paper Tray and Stand W1B50A, HP PageWide 3x550-sheet Paper Tray and Stand W1B51A, HP PageWide 4000-sheet HCI Paper Tray and Stand W1B52A, HP High-Performance Secure Hard Disk B5L29A, HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM ESK48A, HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP LaserJet MFP Analog Fax Accessory S00 C487A, HP PageWide Stapler/Stacker Finisher Z4L04A, HP LaserJet Hole Punch 2/3 Accessory (for Z4L04A) Y1G10A, HP LaserJet Hole Punch 2/4 Accessory (for Z4L04A) Y1G11A, HP LaserJet Hole Punch Swedish Accessory (for Z4L04A) Y1G12A, HP LaserJet Stapler/Stacker Finisher Staples (for Z4L04A) Y1G14A, HP 110V Heated Pressure Roller 3MM39A, HP 220V Heated Pressure Roller 3M276A
Digital Sending Standard Features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF	HP Service and Support Options	U9J72E - HP Installation Service with Network Workgroup Printer; U9NP3E - 3 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x; U9NP4E - HP 4 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x; U9NP5E - HP 5 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x
Copy Resolution	Black (text and graphics): Up to 600 x 600 dpi; Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi		
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 Speed	Up to 33.6 kbps ³		
Fax Resolution	Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Color (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	Fax Memory: Up to 500 pages; Auto Fax Reduction Supported: Yes; Auto-Redialing: Yes; Fax Delayed Sending: No; Distinctive Ring Detection Supported: No; Fax Forwarding Supported: Yes; Fax Phone TAM 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 1000 numbers (each with 210 destinations); PC Interface Supported: Yes; Remote Retrieval Capability Supported: No; Telephone Handset Supported: No		
Standard Connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 100/1000TX network; 1 Wireless 802.11b/g/n; 1 Bluetooth Low Energy; 1 RJ-11 modem port/phone line		
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	Yes, built-in WiFi 802.11b/g/n		
Mobile Printing Capability	HP ePrint, Apple AirPrint™, Google Cloud Print		
Memory	Standard: 5632 MB; Maximum: 5632 MB		
Processor Speed	1.2 GHz / Hard disk: 320 GB High-Performance Secure Hard Disk (AES 256 hardware encryption or greater; Secure erase capabilities: Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)		
Duty Cycle	Monthly, A4: Up to 125,000 pages		
Recommended Monthly Page Volume	2500 to 25,000		
Media Types Supported	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards		
Media Weight Supported	Tray 1: 60-220 g/m ² ; 300 g/m ² Photo Paper Only; Trays 2-5: 60-220 g/m ² ; HCI trays 3 & 4: 60-220 g/m ²		
Media Sizes Supported	Tray 1: RA3, A3, 8K, B4 (JIS), SRA4, RA4, A4, A4-R, 16K, 16K-R, A5, A5-R, B5 (JIS), B5 (JIS)-R, B6 (JIS), A6, Japanese Postcard, Double Japanese Postcard-R; Trays 2-5: A3, 8K, B4 (JIS), SRA4, RA4, A4, A4-R, 16K, 16K-R, A5, A5-R, B5 (JIS), B5 (JIS)-R, B6 (JIS), A6, Japanese Postcard, Double Japanese Postcard-R; HCI Trays 3 & 4: A4		
Media Sizes Custom	Tray 1: 99.1 x 127 to 304.8 x 457.2mm; Tray 2-5: 210.1 x 148.1 to 297.2 x 431.8mm; HCI Trays 3 & 4: A4 & Letter Only		

¹ 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. Power Consumption and Energy Star TEC values typically based on measurement of 115V device. ² Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. ³ Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. ⁴ ISO speeds measured using ISO/IEC 24734. ⁵ Excludes first page or first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims> ⁶ Exact speed varies depending on the system configuration, software application, driver and document complexity. ⁷ Normalized TEC (watt hours per page) BA: 0.257 Wh/page, ES: 0.269 Wh/page

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