Print, copy, scan, fax

HP PageWide Enterprise Color Flow MFP 785zs

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 colour cost,[1] maximum uptime, and the industry's strongest security.[2]

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The lowest cost for colour[1]
- Get the quality you expect with HP PageWide Technology that delivers the lowest cost per colour 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 colour and black-and-white.[7]
- 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.[8]

The world's most secure printing[2]
- 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-optimised.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.

Technical specifications

Functions	Print, copy, scan, fax – Supports up to A3 size
Print	
Duplex print options	Automatic (standard)
Technology	HP PageWide Technology
Speed[1]	**Black:** Up to 75 ppm (General office mode, A4); Up to 55 ppm (Professional mode, A4); **Colour:** Up to 75 ppm (General Office mode, A4); Up to 55 ppm (Professional mode, A4); **Duplex printing: Black/Colour (Professional mode):** Up to 38 ppm
First page out[2]	**Black (A4, ready):** As fast as 7.1 seconds; **Colour (A4, ready):** As fast as 7.1 seconds
Resolution	**Black (best):** Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); **Colour (best):** Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
HP ePrint capability	Yes
Print cartridges	4 (1 each black, cyan, magenta, yellow)
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
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/Auto-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
Scan	
Type	Flatbed, ADF
Technology	Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
Speed	**Single-sided (A4):** Up to 120 ipm (black and colour); **Two-sided (A4):** Up to 240 ipm (black and colour)
Resolution	**Hardware:** Up to 600 dpi; **Optical:** Up to 600 dpi; **Enhanced:** Up to 600 ppi
Max scanning size	**Flatbed:** 297 x 432 mm; **ADF:** 297 x 432 mm; Up to 297 x 1000 mm when "long scan size" selected
Input modes	Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications
Grayscale levels	256
File format	Digital Send: 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)
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
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; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF
Copy	
Speed[3]	**Black:** Up to 55 cpm (A4); **Colour:** Up to 55 cpm (A4)
First copy out[3]	**Black (letter):** As fast as 9.4 seconds; **Colour (letter):** As fast as 9.4 seconds
Resolution	**Black (text and Graphics):** Up to 600 x 600 dpi; **Colour (text and graphics):** Up to 600 x 600 dpi
Max copies	Up to 9,999 copies
Copier reduce/enlarge	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
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
Fax	
Resolution	**Black (best):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Colour (fine):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Transmission speed[4]	Up to 33.6 kbps; 3 sec per page
Fax features	**Faxing:** Yes; **Faxing options (ADF):** Simultaneous Two-Sided; **Auto-Redialling:** Yes; **Fax delayed sending:** No; **Distinctive ring detection supported:** No; **Fax forwarding supported:** Yes; **Fax polling supported:** Yes (poll to receive only); **Auto fax reduction supported:** Yes; **Fax telephone mode supported:** No; **Junk barrier supported:** Yes; **PC interface supported:** Yes; **Fax broadcasting, max locations:** 210; **Telephone handset supported:** No
Display	20.3 cm (8.0 in) touchscreen, XVA Colour Graphic Display (CGD)
Duty cycle (monthly, A4)[5]	Up to 125,000 pages
Recommended monthly page volume[6]	2,500 to 25,000 pages
Media	
Custom sizes	**Tray 1:** 99.1 x 127 to 304.8 x 457.2 mm; **Tray 2-5:** 210.1 x 148.1 to 297.2 x 431.8 mm; **HCI Trays 3 & 4:** A4 & Letter Only
Recommended Weights	60 to 220 g/m², 300 g/m² Photo Paper Only
Types	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
Paper handling	**Input (standard):** 100-sheet multipurpose tray, 4 x 550-sheet input tray; **Input (optional):** 1x550/tray (A3/A4), 1x550/stand (A3/A4), HCI (2x2000 sheet A4); **Output (standard):** 500-sheet output bin, 350-sheet stapler stacker
Memory[7]	**Standard/Maximum:** 5632 MB
Processor speed	1.2 GHz
Operating system compatibility	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 (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Minimum system requirements	**PC:** Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8; **Mac:** Apple® OS X v10.12 Sierra, OS X v10.11 El Capitan, OS X v10.10 Yosemite, minimum 1.3 GB available HD space; Internet required; USB port
Connectivity	
Connectivity (Standard)	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 RJ-11 modem port/phone line, Fax
Wireless capability	Yes, built-in WiFi 802.11b/g/n
Mobile printing capability	**Standard:** HP ePrint, Apple AirPrint, Mopria-certified, Google Cloud Print™ 2.0; **Optional:** Wireless direct printing and NFC touch-to-print (with purchase of HP Jetdirect 3000w NFC/Wireless Accessory), Wi-Fi Direct and Bluetooth Low Energy
Network capabilities	**Standard:** via HP Jetdirect Ethernet embedded print server supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec; **Optional:** 802.11a/b/g/n wireless networking (with purchase of optional HP Jetdirect 2900nw Print Server). 802.11b/g/n wireless networking
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
Dimensions (W x D x H)	**Operating:** 813 x 616 x 1223 mm (32 x 24.25 x 48.125 in); **Maximum:** 896 x 718 x 1223 mm (35.25 x 28.25 x 48.125 in)
Weight	123 kg (272 lb)
Environmental	
Operating environment	**Operating humidity range:** 10 to 80% RH; **Recommended operating humidity range:** 30 to 70% RH; **Operating temperature range:** 15 to 30° C (59 to 86° F); **Recommended operating temperature range:** 17 to 25° C (63 to 77° F); **Non-operating humidity range:** 10 to 80% RH; **Storage before initial setup (Non-Purged):** -40 to 60° C (-40 to 140° F); **Storage after initial setup (Purged):** 0 to 60° C (32 to 140° F)
Acoustics	**Acoustic power emissions:** 6.6 B(A); **Acoustic power emissions (active copy):** 6.9 B(A); **Acoustic power emissions (ready):** Inaudible; **Acoustic pressure emissions:** 51 dB(A) (printing at 56 ppm); **Acoustic pressure emissions bystander (ready):** Inaudible ; **Acoustic power emissions (active copy):** 7.3 B(A) (scanning at 129 ppm with ADF running); **Acoustic pressure emissions bystander (active scan):** 58 dB(A) (scanning at 129 ppm with ADF running)
Power specifications	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 100 to 240 VAC, 50/60 Hz; **Power consumption[10]:** Printing/copying: 600 watts; Ready: 42 watts; Sleep: 1.6 watts; Auto-Off/Manual On: 0.2 watts; Manual Off: 0.2 watts; **Typical Electricity Consumption (TEC)[11]:** 1.42 kWh/week; **Energy-saving features:** HP Auto-On/Auto-Off Technology
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
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)
What's in the box	HP PageWide Enterprise Color Flow MFP 785zs; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10,000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Safety and regulatory compliance	EN 60950-1:2006 + A11:2009 +A1:2010 +A12:2011 +A2:2013; IEC 60950-1:2005 +A1:2009 +A2:2013; EN 62471:2008/IEC 62471:2010; EN 62479:2010/IEC 62479:2010; China CCC, GS, UL Listed; Other safety approvals as required by individual countries
Electromagnetic emission standard	CISPR 22:2008 Class A, CISPR 32:2012 Class A, EN 55032:2012 Class A, FCC CFR 47 Part 15 Class A/ICES-003, Issue 6 Class A, EN 61000-3-3:2013, EN 61000-3-2:2014, EN 301 489-1 v2.1.1, EN 301 489-17 v3.1.1; Other EMC approvals as required by individual countries

Ordering information

Number	Description
J7Z12A	HP PageWide Enterprise Color Flow MFP 785zs

Accessories (Optional)

Number	Description
A7W99A	HP PageWide 550-sheet Paper Tray
W1B50A	HP PageWide 550-sheet Paper Tray and Stand
W1B51A	HP PageWide 3x550-sheet Paper Tray and Stand
W1B52A	HP PageWide 4000-sheet HCI Paper Tray and Stand
B5L29A	HP High-Performance Secure Hard Disk
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
E5K48A	HP 1 GB x32 144-pin 800 MHzDDR3 SODIMM
J8031A	HP Jetdirect 2900nw Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
CC487A	HP LaserJet MFP Analog Fax Accessory 500

Replacement Cartridges and LLC's

Number	Description
T0B26A	HP 982A Black Original PageWide Cartridge (~10,000 pages)
T0B30A	HP 982X High Yield Black Original PageWide Cartridge (~20,000 pages)
T0B23A	HP 982A Cyan Original PageWide Cartridge (~8,000 pages)
T0B27A	HP 982X High Yield Cyan Original PageWide Cartridge (~16,000 pages)
T0B25A	HP 982A Yellow Original PageWide Cartridge (~8,000 pages)
T0B29A	HP 982X High Yield Yellow Original PageWide Cartridge (~16,000 pages)
T0B24A	HP 982A Magenta Original PageWide Cartridge (~8,000 pages)
T0B28A	HP 982X High Yield Magenta Original PageWide Cartridge (~16,000 pages)
W1B43A	HP PageWide Printhead Wiper Kit (~150,000 pages)
W1B44A	HP PageWide Service Fluid Container (~150,000 pages)
W1B45A	HP PageWide Roller Kit (~150,000 pages)
J8J95A	HP PageWide ADF Maintenance Kit (~150,000 pages)
J8J96A	HP Staple Cartridge Refill (5,000 staples)

Recommended Papers[9]

Number	Description
C6818A	HP Professional Inkjet Paper, Glossy, A4, 50 sheets, 180 gsm
Q6593A	HP Professional Inkjet Paper, Matte, A4, 200 sheets, 120 gsm
Q6594A	HP Professional Inkjet Paper, Matte, A3, 100 sheets, 120 gsm

Please visit hp.com/apac/paper for more details.

HP Care Packs

Number	Description
U9RJ6E	HP 3-year Next Business Day w/DMR PageWide Color 78x SVC
U9RJ8E	HP 5-year Next Business Day w/DMR PageWide Color 78x SVC
U9RJ9E	HP 3-year 4h 9x5 w/DMR PageWide Color 78x SVC
U9RK1E	HP 5-year 4h 9x5 w/DMR PageWide Color 78x SVC
U9JT2E	HP Installation Service w/Network Workgroup Printer

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China	800 820 0851/400 820 0851
India	1800 3003 3003
Korea	080 703 0700

HP SureSupply[9]

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To order online, please visit hp.com/apac/oac for more details.[9]

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[1] ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see hp.com/go/printerclaims [2] Exact speed varies depending on the system configuration, software application, driver and document complexity. [3] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [4] 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 [5] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP Pagewide devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. [6] 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. [7] Future firmware updates may support 4608 MB by adding DIMM memory module. [8] Average colour composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see hp.com/go/learnaboutsupplies [9] Available in selected countries only. [10] 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 values typically based on measurement of 115V device. [11] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.