

Print, copy, scan, fax

# HP PageWide Enterprise Color Flow MFP 785z+



**HP PageWide Enterprise delivers the lowest color cost,<sup>1</sup> maximum uptime, and strongest security.<sup>2</sup>**

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,<sup>1</sup> maximum uptime, and the industry's strongest security.<sup>2</sup>



## **The lowest cost for color<sup>1</sup>**

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



## **Minimal interruptions. Maximum uptime.**

- Minimize interruptions with an HP PageWide device designed for the least maintenance in its class.<sup>6</sup>
- Print speeds up to 50% faster than competitors—as fast as 75 ppm in color and black-and-white.<sup>7</sup>
- 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.<sup>8</sup>



## **The world's most secure printing<sup>2</sup>**

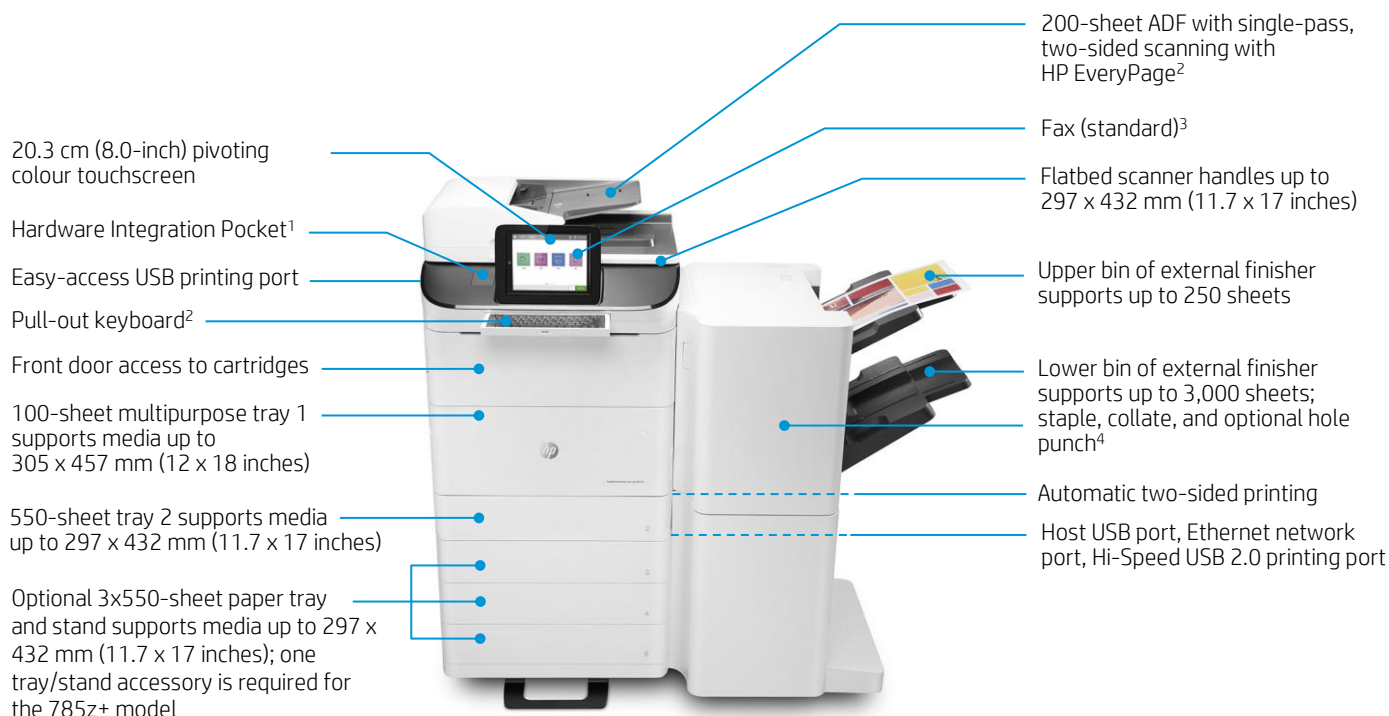
- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it is authentic 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.

# HP PageWide Enterprise Color Flow MFP 780z+



## Series at a glance



Model (product number)	MFP 780dn (J7Z09A)	MFP 780dns (J7Z10A)	Flow MFP 785f (J7Z11A)	Flow MFP 785zs (J7Z12A)	Flow MFP 785z+ (Z5G75A)
Print speeds, black and colour, A4 and letter <sup>5</sup>	Up to 45/65 ppm, Professional/General Office mode	Up to 45/65 ppm, Professional/General Office mode	Up to 55/75 ppm, Professional/General Office mode	Up to 55/75 ppm, Professional/General Office mode	Up to 55/75 ppm, Professional/General Office mode
Fax capabilities	Optional	Optional	✓	✓	✓
Control panel display	20.3 cm (8.0-inch) pivoting colour touchscreen	20.3 cm (8.0-inch) pivoting colour touchscreen	20.3 cm (8.0-inch) pivoting colour touchscreen	20.3 cm (8.0-inch) pivoting colour touchscreen	20.3 cm (8.0-inch) pivoting colour touchscreen
100-sheet tray 1, 550-sheet tray 2	✓	✓	✓	✓	✓
550-sheet Paper Tray	Optional	Optional	Optional	Not available	Not available
550-sheet Paper Tray and Stand	Optional	Optional	Optional	Not available	Optional <sup>6</sup>
3x550-sheet Paper Tray and Stand	Optional	Optional	Optional	✓	Optional <sup>6</sup>
4,000-sheet HCI Tray and Stand	Optional	Optional	Optional	Not available	Optional <sup>6</sup>
Advanced workflow features including pull-out keyboard, OCR, HP EveryPage, and auto-orientation <sup>2</sup>	Not available	Not available	✓	✓	✓
Wireless networking <sup>7</sup>	Optional wireless direct <sup>8</sup>	Optional wireless direct <sup>8</sup>	Optional wireless direct <sup>8</sup>	Built-in Wi-Fi Direct <sup>9</sup>	Built-in Wi-Fi Direct <sup>9</sup>
Bluetooth® Low Energy <sup>10</sup>	Not available	Not available	Not available	✓	✓
350-sheet inner finisher with stapler <sup>11</sup>	Not available	✓	Not available	✓	Not available
3,250-sheet external finisher with stapler <sup>4</sup>	Not available	Not available	Not available	Not available	✓ (Required)

## Technical specifications

<b>Product name</b>	HP PageWide Enterprise Color Flow MFP 785z+
<b>Product number</b>	Z5G75A
<b>Functions</b>	Print, copy, scan, fax
<b>Print</b>	
Duplex printing	Automatic (standard)
Print speed <sup>4</sup>	<b>Black (A4, normal):</b> Up to 55 ppm; <b>Color (A4, normal):</b> Up to 55 ppm; <b>Black (A4, duplex):</b> Up to 38 ppm; <b>Color (A4, duplex):</b> Up to 38 ppm; <b>Black (letter, normal):</b> Up to 55 ppm; <b>Black (letter, duplex):</b> Up to 38 ppm; <b>Color (letter, normal):</b> Up to 55 ppm; <b>Color (letter, duplex):</b> Up to 38 ppm; <b>Black (A4, draft):</b> Up to 75 ppm; <b>Color (A4, draft):</b> Up to 75 ppm; <b>Black (ISO):</b> Up to 55 ppm; <b>Color (ISO):</b> Up to 55 ppm;
First page out <sup>5</sup>	<b>Black (A4, ready):</b> As fast as 10.5 sec; <b>Color (A4, ready):</b> As fast as 10.4 sec; <b>Black (A4, sleep):</b> As fast as 26.6 sec; <b>Color (A4, sleep):</b> As fast as 26.6 sec
Print technology	HP PageWide Technology
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Print resolution technology	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
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
<b>Scan</b>	
Scan speed <sup>6</sup>	<b>Normal (A4):</b> Up to 120 ppm (b&w), up to 120 ppm (color); <b>Duplex (A4):</b> Up to 120 ppm (b&w), up to 120 ppm (color)
Scanner specifications	<b>Scanner type:</b> Flatbed, ADF; <b>Scan technology:</b> Charge Coupled Device (CCD) & Contact Image Sensor (CIS); <b>Scan input modes:</b> 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; <b>Duplex ADF scanning:</b> Yes, single-pass duplexing ADF; <b>Scan size maximum (ADF):</b> 297 x 432 mm; Up to 297 x 1000 mm when "long scan size" selected; <b>Scan size maximum (flatbed):</b> 11.7 x 17 in; <b>Optical scan resolution:</b> Up to 600 ppi; <b>Enhanced Scan Resolution:</b> Up to 600 ppi; <b>Hardware resolution:</b> Up to 600 ppi
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)
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
<b>Copy</b>	
Copy speed	<b>Black (A4, best):</b> Up to 55 cpm; <b>Black (letter, best):</b> Up to 55 cpm; <b>Color (A4, best):</b> Up to 55 cpm; <b>Color (letter, best):</b> Up to 55 cpm
First copy out	<b>Black (letter, ready):</b> As fast as 9.7 sec; <b>Color (letter, ready):</b> As fast as 10.3 sec
Copier specifications	<b>Copier settings:</b> 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; <b>Maximum number of copies:</b> Up to 9999 copies; <b>Copy resolution:</b> Up to 600 x 600 dpi
<b>Fax<sup>3</sup></b>	
Fax speed	33.6 kbps / 3 sec per page
Fax specifications	<b>Fax memory:</b> Up to 500 pages; <b>Fax resolution:</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Auto fax reduction supported:</b> Yes; <b>Auto-redialing:</b> Yes; <b>Fax delayed sending:</b> No; <b>Distinctive ring detection supported:</b> No; <b>Fax forwarding supported:</b> Yes; <b>Junk barrier supported:</b> Yes; <b>Maximum speed dialing numbers:</b> Up to 1000 numbers (each with 210 destinations); <b>PC interface supported:</b> Yes; <b>Fax polling supported:</b> 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
<b>Connectivity</b>	
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000TX network; 1 Wireless 802.11b/g/n; 1 Bluetooth Low Energy; 1 RJ-11 modem port/phone line
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Wireless capability	Yes, built-in WiFi 802.11b/g/n
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)
<b>Memory</b>	
	<b>Standard:</b> 5632 MB; <b>Maximum:</b> 5632 MB
<b>Hard disk</b>	
	500 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)
<b>Processor speed</b>	1.2 GHz
<b>Paper handling</b>	
Duty cycle (monthly)	<b>Duty cycle (monthly, A4):</b> Up to 125,000 pages; <b>Recommended monthly page volume:</b> 2500 to 25,000
Input capacity	100-sheet multipurpose tray, 550-sheet input tray; 1x550/stand (A3/A4); 3x550/stand (A3/A4); HCl (2x2000 sheet A4)
Output capacity	3000 sheet lower bin
Number of paper trays	<b>Standard:</b> 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 HCl Paper Tray and Stand W1B52A)
Media types	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough
Media weight	Tray 1: 60-220 g/m <sup>2</sup> ; 300 g/m <sup>2</sup> Photo Paper Only; Trays 2-5: 60-220 g/m <sup>2</sup> ; HCl trays 3 & 4: 60-220 g/m <sup>2</sup>
Media size	<b>Custom (metric):</b> Tray 1: 99.1 x 127 to 304.8 x 457.2 mm; Tray 2-5: 210.1 x 148.1 to 304.8 x 457.2 mm; HCl Trays 3 & 4: A4 & Letter Only; <b>Supported (metric):</b> 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; HCl Trays 3 & 4: A4; <b>ADF:</b> A3, Ledger, B4-JIS, Legal, 8.5 x 13, Letter, A4, B5-JIS, A5, B6-JIS, A6
<b>Printer dimensions (W x D x H)</b>	1245 x 693 x 1222 mm
<b>Printer weight</b>	171.0 kg
<b>Software included</b>	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
<b>What's in the box</b>	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
<b>Warranty</b>	1 Year Limited Warranty (Next Business Day On-Site)
<b>Systems</b>	
Compatible operating systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Minimum system requirements	<b>Windows:</b> 2 GB available hard disk space, OS hardware requirements see microsoft.com; <b>Mac:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
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 WJA-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 <a href="http://h110032.www1.hp.com/ctg/Manual/c03602120">http://h110032.www1.hp.com/ctg/Manual/c03602120</a>
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 <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
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
<b>Display</b>	8,0 in (20,3 cm) touchscreen, XGA Color Graphic Display (CGD)
<b>Power<sup>1</sup></b>	<b>Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Consumption:</b> 740 watts (max. printing), 570 watts (printing), 50 watts (ready), 1.3 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); <b>Typical Electricity Consumption (TEC)<sup>1,2</sup>:</b> 4.287 kWh/Week (Blue Angel); 1.164 kWh/Week (Energy Star 3.0); <b>Power supply type:</b> Internal (Built-in) power supply
Operating environment	<b>Operating temperature range:</b> 15 to 30°C; <b>Recommended operating temperature range:</b> 17 to 25°C <b>Operating humidity range:</b> 10 to 80% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH
Safety approvals and requirements	EN 60950-1:2006 + A11:2009 + A12:2010 + 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
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

## Ordering information

### Accessories

Number	Description
A7W99A	HP PageWide 550-sheet Paper Tray
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
B5L31A	HP Foreign Interface Harness
CC487A	HP LaserJet MFP Analog Fax Accessory 500
ESK48A	HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
J8031A	HP Jetdirect 2900nw Print Server
W1B50A	HP PageWide 550-sheet Paper Tray Stand
W1B51A	HP PageWide 3x550-sheet Paper Tray Stand
W1B52A	HP PageWide 4K Sheet HCl Paper Tray Stand
Y1G10A	HP Punch 2/3 Hole Unit
Y1G11A	HP LaserJet Hole Punch 2/4 Accessory
Y1G12A	HP LaserJet Hole Punch Swedish Accessory
Y1G14A	HP LaserJet Stapler/Stacker Finisher Staples
Z4L04A	HP PageWide External Stapler Stacker
3MM39A	HP 110V Heated Pressure Roller
3MZ76A	HP 220V Heated Pressure Roller

### HP Care Packs

Number	Description
U9RJ6E	HP 3 year Next Business Day Service w/Defective Media Retention for PageWide Color 78x
U9RJ7E	HP 4 year Next Business Day Service w/Defective Media Retention for PageWide Color 78x
U9RJ8E	HP 5 year Next Business Day Service w/Defective Media Retention for PageWide Color 78x
U9RJ9E	HP 3 year 4 hour 9x5 Service w/Defective Media Retention for PageWide Color 78x
U9RK0E	HP 4 year 4 hour 9x5 Service w/Defective Media Retention for PageWide Color 78x
U9RK1E	HP 5 year 4 hour 9x5 Service w/Defective Media Retention for PageWide Color 78x
U9RK2E	HP 3 year Next Business Day Parts Exchange Service for PageWide Color 78x (Channel Only)
U9RK3E	HP 4 year Next Business Day Parts Exchange Service for PageWide Color 78x (Channel Only)
U9RK4E	HP 5 year Next Business Day Parts Exchange Service for PageWide Color 78x (Channel Only)
U9RK5PE	HP 1 year Post Warranty Next Business Day Service w/ Defective Media Retention for PageWide Color 78x
U9RK6PE	HP 2 year Post Warranty Next Business Day Service w/ Defective Media Retention for PageWide Color 78x
U9RK7PE	HP 1 year Post Warranty 4 hour 9x5 Service w/Defective Media Retention for PageWide Color 78x
U9RK8PE	HP 2 year Post Warranty 4 hour 9x5 Service w/Defective Media Retention for PageWide Color 78x
U9RK9PE	HP 1 yr Post Warranty Next Business Day Parts Exchange Service for PageWide Color 78x (Channel Only)
U9RL0PE	HP 2 yr Post Warranty Next Business Day Parts Exchange Service for PageWide Color 78x (Channel Only)

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](http://hp.com/go/cpc)

### Supported paper

Contact HP via phone: Asia: 65 6253 8500



Windows 10



### Original HP ink cartridges and maintenance supplies

Number	Description
T0B23A	HP 982A Cyan Original PageWide Cartridge (~8,000 pages)
T0B24A	HP 982A Magenta Original PageWide Cartridge (~8,000 pages)
T0B25A	HP 982A Yellow Original PageWide Cartridge (~8,000 pages)
T0B26A	HP 982A Black Original PageWide Cartridge (~10,000 pages)
T0B27A	HP 982X High Yield Cyan Original PageWide Cartridge (~16,000 pages)
T0B28A	HP 982X High Yield Magenta Original PageWide Cartridge (~16,000 pages)
T0B29A	HP 982X High Yield Yellow Original PageWide Cartridge (~16,000 pages)
T0B30A	HP 982X High Yield Black Original PageWide Cartridge (~20,000 pages)

### HP Inc. offices

Australia	(613) 8833 5000	<a href="http://hp.com.au">hp.com.au</a>
China	(010) 6564 3888	<a href="http://hp.com.cn">hp.com.cn</a>
Hong Kong	(852) 3077 2688	<a href="http://hp.com.hk">hp.com.hk</a>
India	(80) 2612 9000	<a href="http://hp.com/in">hp.com/in</a>
Indonesia	(62-21) 5799 1088	<a href="http://hp.com/id">hp.com/id</a>
Korea	(02) 2199 0114	<a href="http://hp.co.kr">hp.co.kr</a>
Malaysia	(603) 2332 3333	<a href="http://hp.com.my">hp.com.my</a>
New Zealand	(09) 918 9555	<a href="http://hp.co.nz">hp.co.nz</a>
Philippines	(632) 888 5900	<a href="http://hp.com/ph">hp.com/ph</a>
Singapore	(65) 6275 3888	<a href="http://hp.com.sg">hp.com.sg</a>
Taiwan	(02) 3789 9900	<a href="http://hp.com.tw">hp.com.tw</a>
Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com/th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com/vn</a>

For the following countries, please fax your queries to (65) 6275 6707 Bangladesh, Bhutan, Brunei, Cambodia, Maldives, Nepal, Pakistan, Sri Lanka

### Solutions

For more solutions information, please visit [hp.com/go/gsc](http://hp.com/go/gsc)

## Footnotes

- <sup>1</sup> 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/learnaboutsupplies> and [hp.com/go/PageWideClaims](http://www.hp.com/go/PageWideClaims)
- <sup>2</sup> Based on HP review of 2018 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>
- <sup>3</sup> High-yield cartridges are not included in printer purchase; purchase separately. Learn more at <http://www.hp.com/go/learnaboutsupplies>
- <sup>4</sup> Comparison based on printing in Professional Mode.
- <sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://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.
- <sup>6</sup> 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/learnaboutsupplies>
- <sup>7</sup> 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>
- <sup>8</sup> 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>
- <sup>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

## Technical specifications disclaimers

- <sup>1</sup> 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.
- <sup>2</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
- <sup>3</sup> 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
- <sup>4</sup> 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>
- <sup>5</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity.
- <sup>7</sup> Normalized TEC (watt hours per page) BA: 0.257 Wh/page, ES: 0.269 Wh/page

## Walkaround footnotes

- <sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
- <sup>2</sup> The pull-out keyboard and HP EveryPage are only available on the HP PageWide Enterprise Color Flow MFP 785f, 785zs, and 785z+ models.
- <sup>3</sup> Fax capability is optional on the HP PageWide Enterprise Color MFP M780 series; it is included on the Flow MFP 785 series models.
- <sup>4</sup> The 3,250-sheet external finisher with stapler (Z4LO4A) is required for the HP PageWide Enterprise Color Flow MFP 785z+ model and must be purchased separately. It can staple up to 65 pages. The lower bin supports output of up to 3,000 sheets and the upper bin supports output of up to 250 sheets. It is not supported on any other HP PageWide Enterprise Color MFP 780 or 785 series model.
- <sup>5</sup> The HP PageWide Enterprise Color MFP 780 series prints up to 45/65 ppm, letter and A4, simplex (Professional mode/General Office mode). The HP PageWide Enterprise Color Flow MFP 785 series prints up to 55/75 ppm, letter and A4, simplex (Professional mode/General Office mode). ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://www.hp.com/go/printerclaims).
- <sup>6</sup> The HP PageWide Enterprise Color Flow MFP 785z+ requires one of these optional tray/stand accessories: 550-sheet Paper Tray and Stand, 3x550-sheet Paper Tray and Stand, or the 4,000-sheet HCl Paper Tray and Stand.
- <sup>7</sup> Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz routers only.
- <sup>8</sup> The HP PageWide Enterprise Color MFP 780 series and Flow MFP 785f models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
- <sup>9</sup> Wi-Fi Direct printing is embedded in the HP PageWide Enterprise Color Flow MFP 785zs and Flow MFP 785z+ models. All other models can add wireless direct by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see [hp.com/go/mobileprinting](http://www.hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®.
- <sup>10</sup> Bluetooth® Low Energy is standard only on the HP PageWide Enterprise Color Flow MFP 785zs and Flow MFP 785z+ models, and it cannot be added to other models.
- <sup>11</sup> The 350-sheet inner finisher is supported on the HP PageWide Enterprise Color MFP 780dns and Flow MFP 785zs models only. Those models have a maximum output capacity of 850 sheets. The MFP 780dn and Flow MFP 785f models have a maximum output capacity of 500 sheets. The Flow MFP 785z+ has a maximum output capacity of 3,250 with the 3,000-sheet external finisher.

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