



HP PageWide Managed Color MFP P77950dn

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.



Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low color cost per page.
- 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.²

Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.⁵
- Print speeds up to 50% faster than competitors—as fast as 70 ppm in color and black-and-white.⁶
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.⁷
- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

Strong security designed to detect and stop attacks

- A suite of embedded security features help protect your printer from being an entry point for attacks.
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job.
- Easily set configuration policies and automatically validate settings for every HP printer in your fleet.⁸
- Thwart potential attacks and take immediate action with instant notification of security issues.

Designed with the environment in mind

- Conserve resources with HP PageWide—designed to use less energy than any laser MFP in its class.²
- This MFP meets rigorous standards for ISO class 5 cleanrooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.⁹
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.



¹ Based on HP review of 2017 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://hp.com/go/PrintersThatProtect>. For more information: <http://hp.com/go/printersecurityclaims>. ² Energy claim based on TEC data reported on <http://energystar.gov> as of February 2018. Data normalized to determine energy efficiency of in-class A3 color laser printers and MFPs with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary. ³ Comparison based on printing in Professional mode. ⁴ Fewer service parts claim based on HP analysis of leading in-class A3 color laser printers and MFPs as of February 2018; 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). Learn more at <http://hp.com/go/pagewideclaims>. ⁵ Comparison of HP PageWide A3 devices with leading in-class color ink/laser MFPs (\$3,000–\$11,299 and €2,820–€11,199), and color ink/laser single function printers (\$1,500–\$4,799 and €1,410–€4,599) as of February 2018; market share as reported by IDC as of Q3 2017, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://hp.com/go/printerspeeds>. ⁶ Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. ⁷ Requires separate purchase. For details, see <http://hp.com/go/securitymanager>. ⁸ Program availability varies. For more information, visit <http://hp.com/recycle>.

HP PageWide Managed Color MFP P77950dn Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax (optional) / Yes	Media Sizes Supported	12 x 18; 11 x 17; RA3; A3; 8K: 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Legal; Oficio 216 x 340 mm; Oficio 8.5 x 13; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; Letter - R; 16K; 197 x 273 mm - R, 195 x 270 mm - R; executive - R; A5 - R; 16K: 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope #5; Envelope #10; Japanese Envelope Chou #3; Japanese Envelope - Flap Open; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; 5 x 8 Index card; Double Japan Postcard Rotated; 4 x 6 Index card; Double Japan Postcard Rotated - R; A6 Index card; Japanese Postcard; Custom-sized media; Photo Media; 5 x 7 Photo Media; 4 x 6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards
Print Speed	A4: Up to 50 ppm; Letter: Up to 50 ppm black; Up to 50 ppm; Letter: Up to 50 ppm color ⁵ First Page Out: As fast as 7.7 sec black; As fast as 8.0 sec color ⁶	Media Sizes Custom	Tray 1 supports (99.06 to 304.8mm) x (148.08 to 457.2 mm), Tandem Trays support (210.05 to 297.18 mm) x (148.08 to 215.9 mm), Universal Trays support (210.05 to 297.18 mm) x (148.08 to 431.8mm)
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)	Paper Handling	550-sheet Universal Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin; Duplex Options: Automatic (standard); Manual (driver support provided); Auto Document Feeder Capacity: 100 sheets; Envelope Feeder: No; Standard Paper Trays: 2; Input Capacities: Up to 550 sheets Tandem Tray; Up to 100 sheets - MP Tray standard; Up to 10; None transparencies; Up to 1600 + 200 + 40 for A5 size and larger; Up to 40 for smaller than A5 size; Up to 1600 + 200 + 40 sheets labels; 550 Universal Tray 100 - MP Tray legal ; Output Capacities: Up to 500 sheets standard; Up to 50 envelopes; None transparencies; Up to 200 cards; Up to 200 sheets labels; Up to 500 sheets legal
Print Technology	HP PageWide Technology with pigmented inks	What's in the box	Y3Z62A HP PW Managed Color MFP P77950dn; HP Setup Ink Cartridges (yield after setup - 16000 pages CMY and 22000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Print Resolution Technologies	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi	Replacement Cartridges	HP 992XC Black Contract PageWide Crtg (LAR) (22,000) MK030XC; HP 992XC Cyan Contract PageWide Crtg (LAR) (16,000) MK070XC; HP 992XC Magenta Contract PageWide Crtg (LAR) (16,000) MK011XC; HP 992XC Yellow Contract PageWide Crtg (LAR) (16,000) MK026XC
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)	Product Dimensions	W x D x H: 604 x 652 x 664 mm; 23.8 x 25.7 x 26.2 in; Maximum: 1270 x 1027 x 946 mm; 50 x 40.4 x 37.3 in
Standard Print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJI, JPEG, PCLM	Product Weight	66.6 kg; ¹ ; 146.5 lb ¹
Printer Smart Software Features	HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; HP ePrint, Apple AirPrint™; HP Auto-On/Auto-Off technology; HP Color Access Control; HP EasyColor; Front-facing USB printing, store print jobs, 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: wireless	Warranty Features	90 days parts only warranty.
Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver	Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT™ Gold
Scan Type / Technology	Flatbed, ADF / Contact Image Sensor (CIS)	Control Panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen; Rotating (adjustable angle) display; Illuminated Home button (for quick return to the touch menu); USB High-speed 2.0 port; Hardware Integration Pocket
Scan Resolution	Hardware: Up to 600 ppi; Optical: Up to 600 ppi	Display Description	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen
Scan File Format	Scan File Type supported by Software: Bitmap (bmp), JPEG (jpg), PDF (pdf), PNG (png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)	Software Included	HP Device Experience (DXP), HP PCL 6 Print 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 Input Modes	Front panel applications: Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to SharePoint, Scan to Computer with SW. Client applications: EWS, HP Scan App, Compatible with HP Capture and Route	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, 17.2, 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, 15.05, 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 Size	ADF: 297 x 864 mm; 11.7 x 34 in Maximum; 101 x 152 mm, 4 x 6 in Minimum; Flatbed: 297 x 432 mm; 11.7 x 17 in	Compatible Network Operating Systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 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 6.0.6/5.17.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 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, 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 (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP1/SP2) 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)
Bit Depth / Grayscale levels	24-bit / 256	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 1.2 GB available HD space; Internet required; USB port
Digital Sending Standard Features	Scan-to-E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to SharePoint; Scan to FTP; Send to LAN Fax; Send to Internet Fax; Color Access Control; Native authorization and authentication; Quick Sets; 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	Power	Power Supply Type: Internal (Built-in) power supply; Power Requirements: Input voltage: 100 to 240 VAC, 50/60 Hz; Power Consumption: 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off) ²
Copy Speed	Black (ISO): Up to 50 cpm; Color (ISO): Up to 50 cpm; Black (GO): Up to 50 cpm; Color (GO): Up to 50 cpm	Acoustics	Acoustic Power Emissions: 6.8 B(A) (Print color simplex A4 at 51 ppm)
Copy Resolution	Black (text and graphics): Up to 600 dpi; Up to 600 dpi; Color (text and graphics): Up to 600 dpi	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
Maximum Number Of Copies	Up to 9999 copies	Security Management	Kerberos authentication, LDAP authentication, 2000 user PIN codes, 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, HP Security Management; Compatible with HP JetAdvantage Security Manager; Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to http://h10032.www1.hp.com/ctgy/Manual/c03602120
Copier Resize	25 to 400%	Accessories	HP PageWide Managed 550-sheet Paper Tray (P1V17A), HP PageWide Managed 550-sheet Paper Tray and Stand (P1V18A), HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand (P1V19A), HP 128GB Memory Module (W1B49A), HP Internal USB Ports (BSL28A), HP Foreign Interface Harness (BSL31A), HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM (ESK48A), HP JetDirect 2900N Print Server (U8031A), HP JetDirect 3000w NFC/Wireless Accessory (U8030A), HP LaserJet MFP Fax Accessory 500 (CC487A)
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	HP Service and Support Options	UV9V9E - HP 3 year Next Business Day Onsite; UV9V0E - HP 4 year Next Business Day Onsite; UV9V1E - HP 5 year Next Business Day Onsite
Fax Speed	Up to: 33.6 kbps	Learn more at	hp.com
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; Color (standard): Up to 300 x 300 dpi (400 x 400 dpi for received faxes 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		
Fax Features	Fax Memory: Up to 500 pages (black and white); Auto Fax Reduction Supported: Yes; Auto-Redialing Yes; Fax Distinctive Ring Detection Supported: No; Fax Forwarding Supported: Yes; Fax Phone TMI Interface Supported: No; Fax Polling Supported: Yes (poll to receive only); Junk Barrier Supported: Yes; Maximum Speed Dialing Numbers: Up to 1000 numbers (each with 210 destinations); PC Interface Supported: Yes; HP Software support provided; 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 10/100/1000T network; 1 Hardware Integration Pocket		
Network Capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-TX, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)		
Wireless Capability	Optional, enabled with purchase of a hardware accessory		
Mobile Printing Capability	HP ePrint, Apple AirPrint™, Google Cloud Print		
Memory	Standard: 2816 MB - System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; Maximum: 3584 MB - System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB		
Processor Speed	1.2GHz / Hard disk: None (printer uses eMMC solid state drive (SSD)). Standard eMMC memory= 16GB, upgradeable to 128GB		
Duty Cycle	Monthly, A4: Up to 200,000 pages ⁷		
Recommended Monthly Page Volume	2500 to 40,000 ⁸		
Media Types Supported	Plain paper, HP EcoFICIENT, 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,		
Media Weight Supported	Tray 1: 60-220 gsm, 300gsm Photo Paper Only; Trays 2-5: 60-220 gsm; HCI trays 3 & 4: 60-220 gsm		
Media Sizes Supported	12 x 18; 11 x 17; RA3; A3; 8K: 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Legal; Oficio 216 x 340 mm; Oficio 8.5 x 13; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; Letter - R; 16K; 197 x 273 mm - R, 195 x 270 mm - R; executive - R; A5 - R; 16K: 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope #5; Envelope #10; Japanese Envelope Chou #3; Japanese Envelope - Flap Open; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; 5 x 8 Index card; Double Japan Postcard Rotated; 4 x 6 Index card; Double Japan Postcard Rotated - R; A6 Index card; Japanese Postcard; Custom-sized media; Photo Media; 5 x 7 Photo Media; 4 x 6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards		
Media Sizes Custom	Tray 1 supports (99.06 to 304.8mm) x (148.08 to 457.2 mm), Tandem Trays support (210.05 to 297.18 mm) x (148.08 to 215.9 mm), Universal Trays support (210.05 to 297.18 mm) x (148.08 to 431.8mm)		

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. Power Consumption and Energy Star TEC values typically based on measurement of 115V device. ³ Speed specifications have been updated to reflect current industry testing methods. ⁴ Based on standard ITU-T test image which #1 at standard resolution. More complicated pages or higher resolution will take longer and use more paper. ⁵ ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <http://hp.com/go/printerclaims> ⁶ No heating or fusing warm up time required ⁷ 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 LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. 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 SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit <http://hp.com/learn/suresupply>. Only available with original HP supplies; Internet access required. ¹⁰ All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used ¹² Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. ¹³ Normalized TEC (watt hours per page) ES: 0.271 Wh/page



HP PageWide Managed Color MFP P77960dns



A new era of low-cost colour, high productivity, and strongest security¹

HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. Learn more at: <http://www.hp.com/go/learnaboutsupplies>



Affordable colour printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low colour cost per page.
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- Print even faster – and save even more per page – by setting this printer to General Office mode.³
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- Minimise interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.⁵
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- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

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- A suite of embedded security features help protect your printer from being an entry point for attacks.
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job.
- Easily set configuration policies and automatically validate settings for every HP printer in your fleet.⁸
- Thwart potential attacks and take immediate action with instant notification of security issues.

Designed with the environment in mind

- Conserve resources with HP PageWide – designed to use less energy than any laser MFP in its class.⁴
- This MFP meets rigorous standards for ISO class 5 cleanrooms – perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.⁹
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.



A3/11x17 Inch media



Color touchscreen



2-sided printing



HP PageWide technology
color

Product walkaround

Get to know the HP PageWide Managed Color MFP P77960dns

1. 20.3 cm (8.0 inch) pivoting colour touchscreen
2. Hardware Integration Pocket
3. Easy-access USB port
4. 100 sheet multipurpose tray 1 supports media up to 305 x 457 mm (12 x 18 inches)
5. 550 sheet tray 2 supports media up to 297 x 432 mm (11.7 x 17 inches)
6. 100 sheet ADF with single-pass, two-sided scanning supports media up to 297 x 432 mm (11.7 x 17 inches)
7. Flatbed scanner handles sheets up to 297 x 432 mm (11.7 x 17 inches)
8. 350 sheet inner finisher with stapler (staples up to 50 sheets)
9. 500 sheet output bin
10. Front door access to ink cartridges
11. Automatic two-sided printing
12. Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Gigabit Ethernet 10/100/1000; Optional fax



Accessories, Supplies and Support

Accessories	P1V16A HP PageWide 550-sheet Paper Tray
	P1V17A HP PageWide 550-sheet Paper Tray and Cabinet
	P1V18A HP PageWide 3x550 sheet Paper Tray and Stand
	P1V19A HP PageWide 4000 sheet High-capacity Paper Tray and Stand
	W1B49A HP 128GB Memory Module
	B5L28A HP Internal USB Ports
	B5L31A HP Foreign Interface Harness
	E5K48A HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
	J8031A HP Jetdirect 2900nw Print Server
	J8030A HP Jetdirect 3000w NFC/Wireless Accessory
	CC487A HP LaserJet MFP Analog Fax Accessory 500
	Supplies
M0K06XC HP 991XC Cyan Contract PageWide Cartridge (16,000 pages)	
M0K10XC HP 991XC Magenta Contract PageWide Cartridge (16,000 pages)	
M0K25XC HP 991XC Yellow Contract PageWide Cartridge (16,000 pages)	
Service and support	U9VX8E HP 1 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VX9E HP 3 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VY0E HP 4 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VY1E HP 5 year Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VY9PE HP 1 year Post Warranty Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services
	U9VZ0PE HP 2 year Post Warranty Next Business Day with Defective Media Retention for PageWide MFP P779xx Managed Services

Technical specifications

Model	HP PageWide Managed Color MFP P77960dns
Product number	Y3Z68A or 2GP02A (engine) + 2GP26A (license speed)
Functions	Print, copy, scan, fax (optional)
Control panel	20.3 cm (8.0 in) Colour Graphics Display (CGD) with IR touchscreen, rotating (adjustable angle) display, illuminated Home button (for quick return to the Home menu), USB High-speed 2.0 port, Hardware Integration Pocket
Print	
Print technology	HP PageWide Technology with pigmented inks
Print speed ¹	Black (A4, ISO): Up to 60 ppm; Colour (A4, ISO): Up to 60 ppm; Black (A4, duplex): Up to 40 ppm; Colour (A4, duplex): Up to 40 ppm; Black (General Office): Up to 80 ppm; Colour (General Office): Up to 80 ppm
First page out ²	Black (A4, ready): As fast as 6.7 sec; Colour (A4, ready): As fast as 6.9 sec; Black (A4, sleep): As fast as 11.3 sec; Colour (A4, sleep): As fast as 11.3 sec
Print 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); Technology: HP PageWide Technology up to 1200 x 1200 optimised dpi from 600 x 600 input dpi
Monthly duty cycle ³	Up to 250,000 pages (A4); Recommended monthly page volume⁴: 2,500 to 50,000
Printer smart software features	HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; HP ePrint; Apple AirPrint™; HP Auto-On/Auto-Off technology; HP Colour Access Control; HP EasyColour; Front-facing USB printing; Store print jobs; 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 Greyscale and Black Ink Only; General Office/Professional/Presentation dpi print modes; Optional: wireless
Standard print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJI, JPEG, PCLM
Print area	Print margins: Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm
Borderless Printing	No
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Multitasking supported	Yes
Memory card compatibility	eMMC solid state drive (SSD) for printer operating system and job storage.
Duplex printing	Automatic (standard); Manual (driver support provided)
Copy	
Copy speed ⁵	Black (A4, ISO): Up to 60 cpm; Colour (A4, ISO): Up to 60 cpm
Copier specifications	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; Maximum number of copies: Up to 9999 copies; Reduce/Enlarge: 25 to 400%
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400%); Collate; Auto colour detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
Scan	
Scan speed	Normal (A4): Up to 50 ipm (monochrome and colour); Duplex (A4): Up to 35 ipm (monochrome and colour)
Scanner specifications	Scanner type: Flatbed, ADF Scan technology: Contact Image Sensor (CIS); Scan input modes: Front panel applications: Copy; Scan to E-mail with LDAP e-mail address lookup; Scan to Network Folder; Scan to USB; Scan to Sharepoint; Scan to Computer with SW. Client applications: EWS; HP Scan App; Compatible with HP Capture and Route; Duplex ADF scanning: Yes; Scan size maximum (flatbed, ADF): 297 x 432 mm; Optical scan resolution: Up to 600 ppi
Scanner Advanced Features	Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; Scan and save to destinations: network folder, FTP, USB flash drive, e-mail; See software section for more details.
Scannable area	Maximum media size (flatbed): 297 x 432 mm; Minimum media size (ADF): 101 x 152 mm; Maximum media size (ADF): 297 x 864 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	Standard: Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to Sharepoint; Scan to FTP; Send to LAN Fax; Send to Internet Fax; Colour Access Control; Native authorization and authentication; Quick Sets; 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	Optional, Internal, 33.6 kbps
Fax specifications	Fax memory⁶: Up to 500 pages (black and white); Fax resolution: Standard: 204 x 98 dpi; Fine: 204 x 196 dpi; Quick dialing: Up to 1000 numbers (each with 210 destinations);
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
Processor speed	1.2GHz
Connectivity	
Standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000Base-T network; 1 Hardware Integration Pocket
Wireless	Optional, enabled with purchase of a hardware accessory
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
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
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: 2816 MB System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; Maximum : 3584 MB – System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB

Model	HP PageWide Managed Color MFP P77960dns
Product number	Y3Z68A or 2GP02A (engine) + 2GP26A (license speed)
Paper handling	
Number of paper trays	Standard: 2; Maximum: Up to 5
Media size	Supported (metric): RA3; A3; 8K: 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; B4 (JIS); Oficio 216 x 340 mm; C4; SRA4; RA4 - R; Arch A-R; A4/3; A4 - R; 16K: 197 x 273 mm - R, 195 x 270 mm - R; Executive - R; A5 - R; 16K: 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; RA4; A4; 16K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 10 x 15 cm; A5; A6; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Envelope C5; Envelope #9; Envelope DL; Envelope Monarch; Envelope C6; Cards; A6 Index card; Custom-sized media; Photo Media; 10 x 15 cm
Media handling	Standard input: 550-sheet universal Input Tray; 100-sheet multi-purpose tray Standard output: 500-sheet face-down output bin Optional input: Optional 550 sheet tray; Optional cart with integrated 550 sheet tray; Optional cart with 3 integrated 550 sheet trays; Optional cart with integrated 2,000 sheet trays ADF: 100 sheets
Media weight [†]	Tray 1: 60-220 gsm, 300 gsm Photo Paper Only; Trays 2-5: 60-220 gsm HCI trays 3 & 4: 60-220 gsm
Input capacity	Standard: Up to 550 sheets Tandem Tray; Up to 100 sheets - MP Tray Maximum: Up to 4000 + 550 + 100 sheets ADF: 100 sheets
Output capacity	Standard: Up to 500 sheets Envelopes: Up to 50 envelopes Transparencies: None Labels: Up to 200 sheets Cards: Up to 200 cards Maximum: Up to 500 sheets
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 10.11 El Capitan, OS X 10.10 Yosemite, 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.)
Minimum system requirements	Windows: Windows® 10, 8.1, 8, 7: 1 GHz 32/64-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 1.2 GB available hard disk space; Internet required; USB port or OS App Source for printer software), online user manuals
Software included	HP Device Experience (DXP), HP PCL 6 Print Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to http://www.123.HP.com or OS App Source for printer software), online user manuals
Security management	Kerberos authentication; LDAP authentication; 2000 user PIN codes; 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, HP Security Management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to http://h10032.www1.hp.com/ctg/Manual/c03602120
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver
Dimensions and Weight	
Printer dimensions (W x D x H)	Minimum: 604 x 652 x 772 mm; Maximum: 1270 x 1027 x 1054 mm
Package dimensions (W x D x H)	790 x 760 x 1027 mm
Printer weight [‡]	82.5 kg
Package weight	105.5 kg
Operating environment	Temperature: 15 to 30°C; Humidity: 30 to 70% RH
Storage	Temperature: 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). Humidity: 10 to 80% RH
Acoustics	Acoustic power emissions: 6.8 B(A) (Print colour simplex A4 at 60 ppm);
Power[§]	Requirements: Input voltage: 100 to 240 VAC, 50/60 Hz; Consumption: 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off); Typical Electricity Consumption (TEC): Energy Star: 1.689 kWh/Week; Blue Angel: 1.548 kWh/Week; Blue Angel (Sleep mode): 1.40 watts; Power supply type: Internal (Built-in) power supply
Energy savings feature technology	HP Auto-on/Auto-off Technology
Certifications	CISPR 22:2008 Class A; CISPR 32:2012 Class A; EN 55032:2012 Class A; EN 61000-3-3:2013; EN 61000-3-2:2014 ENERGY STAR® qualified; EPEAT® Gold Blue Angel compliant: Yes, Blue Angel RAL-UZ 205

Model	HP PageWide Managed Color MFP P77960dns
Product number	Y3Z68A or 2GPO2A (engine) + 2GP26A (license speed)
Country of origin	Made in Netherlands
What's in the box	HP PW Managed Color MFP P77960dns; HP Setup Ink Cartridges (yield after setup 16,000 pages CMY and 22,000 Black); Installation guide; Support flyer; Documentation on CD-ROM; Power cord
Warranty	90 days parts only warranty.

Footnotes

¹ Based on HP review of 2017 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 hp.com/go/PrintersThatProtect. For more information: <http://hp.com/go/printersecurityclaims>.

² High-yield cartridges are not included in printer purchase; purchase separately. Learn more at <http://hp.com/go/learnaboutsupplies>.

³ Comparison based on printing in Professional mode.

⁴ Energy claim based on TEC data reported on energystar.gov as of February 2018. Data normalised to determine energy efficiency of in-class A3 colour laser printers and MFPs with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary.

⁵ Fewer service parts claim based on HP analysis of leading in-class A3 colour laser printers and MFPs as of February 2018; 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% colour ratio). Learn more at <http://hp.com/go/pagewideclaims>.

⁶ Comparison of HP PageWide A3 devices with leading in-class colour ink/laser MFPs (€2,820-€11,199), and colour ink/laser single function printers (€1,410-€4,599) as of February 2018; market share as reported by IDC as of Q3 2017, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at <http://hp.com/go/printerspeeds>.

⁷ Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported.

⁸ Requires separate purchase. For details, see <http://hp.com/go/securitymanager>.

⁹ Program availability varies. For more information, visit <http://hp.com/recycle>.

Technical specifications disclaimers

¹ Speed specifications have been updated to reflect current industry testing methods.

² No heating or fusing warm up time required

³ 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 LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

⁴ 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.

⁵ Speed specifications have been updated to reflect current industry testing methods.

⁶ Based on standard ITU-T test image at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

⁷ All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used

⁸ With ink installed, no media in trays

⁹ 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.



<http://www.hp.com/uk>

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