

Print, copy, scan, fax (optional)

# HP PageWide Managed Color MFP P77950dns Printer



**Low-cost color, maximum uptime, and strongest security from a smart, efficient HP PageWide MFP.**

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.<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>2</sup>



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

- Minimize interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 70 ppm in color and black-and-white.<sup>6</sup>
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.<sup>7</sup>
- 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.<sup>8</sup>
- 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.<sup>2</sup>
- 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.<sup>9</sup>
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.

# Get to know the HP PageWide Managed Color MFP P77950dns



## Series at a glance



Model (product number)	P77950dn (Y3Z62A)	P77950dns (Y3Z66A)
Functions	Print, scan, copy	Print, scan, copy
Print speeds, black and colour, A4 and letter <sup>4</sup>	Up to 50/70 ppm, Professional/General Office (GO) mode	Up to 50/70 ppm, Professional/GO mode
Scan speeds (A4 and letter, black and colour) <sup>5</sup>	35 ppm/50 ipm, simplex/duplex	35 ppm/50 ipm, simplex/duplex
350-sheet inner finisher with stapler (staples up to 50 sheets) <sup>3</sup>	Not available	✓
Control panel display	20.3 cm (8.0-inch) pivoting colour touchscreen	20.3 cm (8.0-inch) pivoting colour touchscreen
Input capacity (standard/maximum <sup>6</sup> )	Up to 650/4,650 sheets	Up to 650/4,650 sheets
Output capacity	Up to 500 sheets	Up to 850 sheets <sup>3</sup>
Optional wireless printing <sup>7</sup> /Bluetooth® Low Energy <sup>8</sup>	✓	✓

## Technical specifications

<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Print</b>	
Duplex print options	Automatic (standard); Manual (driver support provided)
Print speed <sup>5</sup>	<b>Black (A4, normal)</b> Up to 50 ppm; <b>Black (A4, duplex)</b> Up to 35 ppm <b>Color (A4, normal)</b> Up to 50 ppm; <b>Color (A4, Duplex)</b> Up to 35 ppm
First page out <sup>6</sup>	<b>Black (A4, ready)</b> As fast as 7.7 sec; <b>Black (A4, sleep)</b> As fast as 11.2 sec <b>Colour (A4, ready)</b> As fast as 8.0 sec; <b>Colour (A4, sleep)</b> As fast as 11.3 sec
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 technology	HP PageWide Technology with pigmented inks
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 PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJI, JPEG, PCLM
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver
<b>Scan</b>	
Scan technology	<b>Type</b> Flatbed, ADF; <b>Technology</b> Contact Image Sensor (CIS)
Scan speed	<b>Normal (A4)</b> Up to 50 ipm (mono and color), LEF*
Scan resolution	<b>Enhanced</b> Up to 600 ppi; <b>Hardware</b> Up to 600 ppi; <b>Optical</b> Up to 600 ppi
Scan size	<b>ADF</b> 297 x 864 mm <b>Flatbed</b> 297 x 432 mm
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
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)
<b>Copy</b>	
Copy speed <sup>3</sup>	<b>Black (A4, best)</b> Up to 50 ppm; <b>Color (A4, best)</b> Up to 50 cpm
Copy resolution	<b>Black (text and graphics)</b> Up to 600 dpi; <b>Color (text and graphics)</b> Up to 600 dpi
Max. 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
<b>Fax</b>	
Fax speed	<b>Black (best)</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard)</b> 204 x 98 dpi; <b>Black and white (fine)</b> 204 x 196 dpi; <b>Black photo grayscale</b> 203 x 196 dpi (8-bit grayscale)
Fax resolution	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Fax features	<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, HP Software support provided; <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 10/100/1000T network; 1 Hardware Integration Pocket
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print
Wireless capability	Optional, enabled with purchase of a hardware accessory
Network Capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-TX, 1000Base-T, 802.3az (IEEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
<b>Memory</b>	<b>Standard</b> 2816 MB – System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; <b>Maximum</b> 3584 MB – System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB
<b>Processor speed</b>	1.2GHz
<b>Duty cycle (monthly)</b> <sup>7</sup>	Up to 200,000 pages; <b>Recommended monthly page volume</b> <sup>8</sup> : 2500 to 40,000
<b>Paper handling</b>	
Input	550-sheet Universal Input Tray; 100-sheet multi-purpose tray; Optional 550 sheet tray; optional cart with integrated 550 sheet tray; optional cart with 3 integrated 550 sheet trays; optional cart with integrated 2000 sheet trays
Output	500-sheet face-down output bin
Media type	Plain paper, HP EcoFRIEND, 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	Tray 1: 60-220 gsm, 300gsm Photo Paper Only; Trays 2-5: 60-220 gsm; HCl trays 3 & 4: 60-220 gsm
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)
<b>Dimensions (W x D x H)</b>	604 x 652 x 772 mm
<b>Weight</b> <sup>1</sup>	82.5 kg
<b>What's in the box</b>	HP PW Managed Color MFP P77950dns; HP Setup Ink Cartridges; Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Warranty features</b>	90 days parts only warranty.
<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 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Minimum system requirements	<b>PC</b> 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 & 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 <b>Mac</b> 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
<b>Control panel</b>	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 Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
<b>Display</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen
<b>Power</b>	<b>Power supply type</b> Internal (Built-in) power supply; <b>Power supply required</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power consumption</b> <sup>2</sup> : 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off); <b>Typical electricity consumption (TEC) number</b> <sup>2,13</sup> : ES: 1.687 kWh/Week BA: 1.548 kWh/Week
<b>Software included</b>	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
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.7 dBA (Print color simplex A4 at 51 ppm); <b>Acoustic power emissions (ready)</b> inaudible; <b>Acoustic pressure emissions bystander (ready)</b> 51 dBA (ADF Scan color simplex A4 at 70 ppm)
<b>Environmental ranges</b>	<b>Operating temperature range</b> 15 to 30° C; <b>Recommended operating temperature</b> 17 to 25° C; <b>Non-operating humidity range</b> 10 to 80% RH; <b>Operating humidity range</b> 10 to 80% RH; <b>Recommended operating humidity range</b> 30 to 70% RH
<b>Security management</b>	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 <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>
<b>Safety approvals and requirements</b>	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
<b>Supported network protocols</b>	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

Number	Description
Y3Z66A	HP PageWide Managed Color MFP P77950dns

### Supplies and Maintenance Kits

Number	Description
W1B43A	HP PageWide Printhead Wiper Kit
W1B44A	HP PageWide Service Fluid Container
W1B45A	HP PageWide Roller Kit
W1B47A	HP ADF Roller Replacement Kit
MOK31XC	HP 993 XC Black Managed PageWide Cartridge (~22,000 pages)
MOK08XC	HP 993 XC Cyan Managed PageWide Cartridge (~16,000 pages)
MOK12XC	HP 993 XC Yellow Managed PageWide Cartridge (~16,000 pages)
MOK27XC	HP 993 XC Magenta Managed PageWide Cartridge (~16,000 pages)

### Accessories

Number	Description
J8196A	HP Staple Cartridge Refill
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
E5K48A	HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM
J8031A	HP Jetdirect 2900w Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
CC487A	HP LaserJet MFP Analog Fax Accessory 500
M1B49A	HP 128GB Memory Module
P1V16A	HP PageWide Managed 550-sheet Paper Tray
P1V17A	HP PageWide Managed 550-sheet Paper Tray and Cabinet
P1V18A	HP PageWide Managed 3x550 sheet Paper Tray and Stand
P1V19A	HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand

### Care Packs

Number	Description
U9VX8E	HP 1 year Next Business Day w/Defective Media Service for PageWide MFP P779xx Managed
U9VX9E	HP 3 year Next Business Day w/Defective Media Service for PageWide MFP P779xx Managed
U9VY0E	HP 4 year Next Business Day w/Defective Media Service for PageWide MFP P779xx Managed
U9VY1E	HP 5 year Next Business Day w/Defective Media Service for PageWide MFP P779xx Managed
U9VY2E	HP 3 year 4 hour 9x5 w/Defective Media Retention PageWide MFP P779xx Managed
U9VY3E	HP 4 year 4 hour 9x5 w/Defective Media Retention PageWide MFP P779xx Managed
U9VY4E	HP 5 year 4 hour 9x5 w/Defective Media Retention PageWide MFP P779xx Managed
U9VY5E	HP 1 year Parts Exchange Service for PageWide Managed (Managed Component Only)
U9VY6E	HP 3 year Parts Exchange Service for PageWide Managed (Managed Component Only)
U9VY7E	HP 4 year Parts Exchange Service for PageWide Managed (Managed Component Only)
U9VY8E	HP 5 year Parts Exchange Service for PageWide Managed (Managed Component Only)
U9VY9PE	HP 1 year Post Warranty Next Business Day w/DMR PageWide MFP P779xx Managed
U9VZ0PE	HP 2 year Post Warranty Next Business Day w/DMR PageWide MFP P779xx Managed
U9VZ1PE	HP 1 year Post Wty 4 hour 9x5 w/Defective Media Service for PageWide MFP P779xx Managed
U9VZ2PE	HP 2 year Post Wty 4 hour 9x5 w/Defective Media Service for PageWide MFP P779xx Managed
U9VZ3PE	HP 1 year Post Wty Parts Exchange Service for P779xx Managed (Managed Component Only)
U9VZ4PE	HP 2 year Post Wty Parts Exchange Service for P779xx Managed (Managed Component Only)

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### Supported paper

Contact HP via phone: Asia: 65 6253 8500

### Solutions

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



## Footnotes

- <sup>1</sup> 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>.
- <sup>2</sup> 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.
- <sup>3</sup> Comparison based on printing in Professional mode.
- <sup>4</sup> 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>.
- <sup>5</sup> 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>.
- <sup>6</sup> Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported.
- <sup>7</sup> Requires separate purchase. For details, see <http://hp.com/go/securitymanager>.
- <sup>8</sup> Program availability varies. For more information, visit <http://hp.com/recycle>.

## Technical specifications disclaimers

- <sup>1</sup> With ink installed, no media in trays
- <sup>2</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>3</sup> Speed specifications have been updated to reflect current industry testing methods.
- <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
- <sup>5</sup> 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>
- <sup>6</sup> No heating or fusing warm up time required
- <sup>7</sup> 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.
- <sup>8</sup> 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.
- <sup>9</sup> 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.
- <sup>10</sup> All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used
- <sup>12</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
- <sup>13</sup> Normalized TEC (watt hours per page) ES: 0.271 Wh/page

## Walkaround footnotes

- <sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
- <sup>2</sup> An administrator must enable the easy-access USB port before use.
- <sup>3</sup> A 350-sheet inner finisher is available on the HP PageWide Managed Color MFP P77950dns model only. The dns model has a maximum output capacity of 850 sheets. The dn model has a maximum output capacity of 500 sheets.
- <sup>4</sup> The HP PageWide Managed Color MFP P77950dn/dns models print up to 50/70 ppm (Professional mode/GO mode), A4 and letter, simplex. 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://hp.com/go/printerclaims).
- <sup>5</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, greyscale, and colour). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
- <sup>6</sup> Purchase of optional paper tray required to reach maximum input capacity.
- <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> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.

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