Datasheet

HP PageWide Managed Color MFP P77950dns

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.

HP PageWide Managed Color MFP P77950dns Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax (optional) / Yes
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]
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)
Print Technology	HP PageWide Technology with pigmented inks
Print Resolution Technologies	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, PJL, JPEG, PCLM
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
Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer Administrator Resource Kit for HP Universal Print Driver
Scan Type / Technology	Flatbed, ADF / Contact Image Sensor (CIS)
Scan Resolution	**Hardware**: Up to 600 ppi; **Optical**: Up to 600 ppi
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)
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 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
Scan Speed	Up to 50 ipm (mono and color), LEF*, **Duplex**: Up to 35 ipm (mono and color), LEF*
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; Scan and save to destinations: network folder, Computer, FTP, USB flash drive, e-mail; see software section for more details.
Bit Depth / Grayscale levels	24-bit / 256
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
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
Copy Resolution	**Black (text and graphics)**: Up to 600 dpi; Up to 600 dpi; **Color (text and graphics)**: Up to 600 dpi
Maximum Number Of Copies	Up to 9999 copies
Copier Resize	25 to 400%
Copier Settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
Fax Speed	**Up to**: 33.6 kbps
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 Delayed Sending**: No; **Distinctive Ring Detection Supported**: No; **Fax Forwarding Supported**: Yes; **Fax Phone TAM Interface Supported**: No; **Fax Polling Supported**: Yes (poll to receive only); **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 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,
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 B5; 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)
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
What's in the box	**Y3Z66A** HP PW Managed Color MFP P77950dns; HP Setup Ink Cartridges (yield after setup ~16000 pages CMY and 22000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Replacement Cartridges	HP 992XC Black Contract PageWide Crtg (LAR) (22,000) M0K30XC; HP 992XC Cyan Contract PageWide Crtg (LAR) (16,000) M0K07XC; HP 992XC Magenta Contract PageWide Crtg (LAR) (16,000) M0K11XC; HP 992XC Yellow Contract PageWide Crtg (LAR) (16,000) M0K26XC
Product Dimensions	**W x D x H**: 604 x 652 x 772 mm; 23.8 x 25.7 x 30.4 in; **Maximum**: 1270 x 1027 x 1054 mm; 50.0 x 40.4 x 41.5 in
Product Weight	82.5 kg; [1]; 181.5 lb[1]
Warranty Features	90 days parts only warranty.
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Gold
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 Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display Description	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen
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
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.)
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 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenApp 7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Citrix XenDesktop 5.6 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenDesktop 7.0/7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Novell NetWare 6.5/SP8 Novell Clients www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint), Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (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)
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
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]
Acoustics	**Acoustic Power Emissions**: 6.7 B(A) (Print color simplex A4 at 51 ppm)
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
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
Accessories	HP PageWide Managed 550-sheet Paper Tray (P1V16A), HP PageWide Managed 550-sheet Paper Tray and Cabinet (P1V17A), HP PageWide Managed 3x550 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 (B5L28A), HP Foreign Interface Harness (B5L31A), HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM (E5K48A), HP Jetdirect 2900nw Print Server (J8031A), HP Jetdirect 3000w NFC/Wireless Accessory (J8030A), HP LaserJet MFP Analog Fax Accessory 500 (CC487A)
HP Service and Support Options	U9VX9E - HP 3 year Next Business Day Onsite; U9VY0E - HP 4 year Next Business Day Onsite; U9VY1E - HP 5 year Next Business Day Onsite

Learn more at
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