Datasheet

HP PageWide Managed Color MFP P77940dns

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.

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. http://www.hp.com/go/learnaboutsupplies

Print Speed:Letter: Up to 40 ppm black; Up to 40 ppm color; First Page Out: As fast as 7.80 sec black; As fast as 8.02 sec color

Scan Resolution: Hardware: Up to 600 ppi; Optical: Up to 600 ppi

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

Paper Handling: 550-sheet Universal Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin Duty Cycle: Monthly, letter: Up to 150,000 pages



















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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 even faster—and save even more per page—by setting this printer to General Office mode.³
- 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.4
- Print speeds up to 50% faster than competitors—as fast as 60 ppm in color and black-and-white.⁶
- Print Microsoft[®] Word and PowerPoint[®] files with a USB port that guickly recognizes, formats, and prints.⁶

The world's most secure printing

- 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's authentic code—digitally signed by HP.

Designed with the environment in mind

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- This MFP meets rigorous standards for ISO class 5 clean rooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.⁷
- 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 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://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 color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. 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 the majority of in-class color ink/laser MFPs (\$3,000-\$10,299 and €2,820-€10,199), and color ink/laser single function printers (\$1,500-\$4,299 and €1,410-€4,099) as of April 2018 excluding other HP PageWide products; competitive set based on market share data as reported by IDC as of Q4 2017, MSRP data provided by gap intelligence and/or Buyers Lab. 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 Program availability varies. For more information, visit http://hp.com/recycle.

HP PageWide Managed Color MFP P77940dns Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax (optional) / Yes	Paper Handling	550-sheet Universal Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin;
Print Speed	Letter: Up to 40 ppm black; Up to 40 ppm color ⁵ First Page Out: As fast as 8 sec black; As fast as 8.3 sec color ⁶		Duplex Options: Automatic (standard); Manual (driver support provided); Auto Document Feeder Capacity: 100; Envelope Feeder: No; Standard Paper Trays: 2; Input Capacities: Up to 550 sheets Tandem Tray; Up to 100 sheets - MP Tray; Output Capacities: Up to 500 sheets; Up to 50 orwelopes;
Duplex Print Speed	Letter: Up to 28 ppm	What's in the box	None
Print Resolution	Black (best): Up to 1200 × 1200 optimized dpi from 600 × 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); Color (best): Up to 2400 × 1200 optimized dpi from 600 × 600 input dpi (on HP Advanced Photo Papers)	Replacement Cartridges	Y3264A HP PW Managed Color MFP P77940dns; HP Setup Ink Cartridges (yield after setup ~8,000 pages CMY and ~10,000 K); Installation guide, Support flyer; Documentation on CD-ROM; Power corr HP 990AC Black Contract PageWide Crtrd (20,000) X401 BAC; HP 990AC Cyan Contract PageWide Crt.
Print Technology	HP PageWide Technology with pigmented inks	-	(20,000) X4D09AC; HP 990AC Magenta Contract PageWide Crtg (16,000) X4D12AC; HP 990AC Yello Contract PageWide Crtg (16,000) X4D15ACX4D17AC
Print Resolution Technologies	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi	Product Dimensions	W x D x H: 23.8 x 25.7 in x 30.4 in; Maximum: 50.0 x 40.4 x 41.5 in
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)	Product Weight	181.5 lb ¹
Standard Print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJL, JPEG, PCLM	Warranty Features	90 day parts only warranty.
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	Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Gold
	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	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
Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer	Display Description Software Included	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen
Scan Type / Technology	Administrator Resource Kit for HP Universal Print Driver Flatbed, ADF / Contact Image Sensor (CIS)	Software included	HP Device Experience (DXP), HP PCL 6 Print Driver, HP Software Installer/Uninstaller, Mac OS Welcom: Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
Scan Resolution	Hardware: Up to 600 ppi; Optical: Up to 600 ppi	Fonts and Typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3
Scan File Format	Scan File Types supported by included software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), TIFF (.tif)		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 crisd; HP Laser Honts and IPOS Emulation available at http://www.hp.com/gol/aserietfon
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. Client applications: EWS, HP Scan App,	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 Redra (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise
Scan Size	ADF : 11 x 17 in; With "long scan size" selected, 8.5 x 34 in Maximum; 4 x 6 in Minimum; Flatbed : 11 x 17 in		(6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.1 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions
Scan Speed	Up to 60 ipm (mono and color), LEF* $\ensuremath{\text{Duplex}}$ Up to 120 ipm (mono and color), LEF*		(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,
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; FTP, Sharepoint, USB flash drive, e-mail; see software section for more details.	Compatible Network Operating Systems	Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.) Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2
Bit depth / Grayscale levels	24-bit / 256		SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (F Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.
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, Nor Z-ordering; content orientation; collation; booklet; ID Scan; job build; edge-to-edge; job storage	[for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Chrix XenApp 6.0(6.5/7.3 Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Chrix XenApp 7.5 [for Windows Ser Services, 2012 and 2012 R2 Terminal Services, 64-bit], Chrix XenDesktop 5.6 [for Windows Server 21 R2 Terminal Services, 32- and 64-bit], Chrix XenDesktop 7.0/7.5 [for Windows Server 22 Terminal Services, 32- and 64-bit], Chrix XenDesktop 7.0/7.5 [for Windows Server 21 Terminal Services, 32- and 64-bit], Chrix XenDesktop 7.0/7.5 [for Windows Server 21] Terminal Services, 32- and 64-bit], Chrix XenDesktop 7.0/7.5 [for Windows Server 21]	
Copy Speed	Up to 40 cpm ³		Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, No Servers www.novell.com/iprint), Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2)
Copy Resolution	Black (text and graphics): Up to 600 × 600 dpi; Up to 600 × 600 dpi; Color (text and graphics): Up to 600 × 600 dpi		Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32- (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2003 32-64-bit (SP3) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 24-bit (SP1)
Maximum Number Of Copies	Up to 9999 copies		Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit
Copier Resize	25 to 400%		(SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/20 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Serv
Copier Settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, No T2-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage	Minimum System Requirements	2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services) PC: Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space,
FaxSpeed	Up to: 33.6 kbps; Letter: 5 Sec per page		CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 8 MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection
FaxResolution	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)		USB port, Microsoft® Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentiur II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive. Internet connection, USB port, Microsoft® Internet Explorer 8; MAC Apple® 05 X v10.12 Sierra, 05 X v10.11 E Capitan, 05 X v10.10 yosemite; minimum 1.2 GB available HD space; Internet required; USI
FaxSmart S oftware Features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule		port
FaxFeatures	Commination, housey as Schedule 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 anly); Fax Telephone Mode Supported: No: Junk Barrier Supported: Yes; Maximum Speed Dialing Authories: Up to 1000	Power	Power Supply Type: Internal (Built-in) power supply: Power Requirements: Input voltage: 100 to 240 V/K; 50/60 hz; Power Consumption: 452 watts (max print/copy), 107 watts (print/copy), 31 watts (ready), 1.4 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off) ² Typical electricity consumption (TEQ number: Es: 1.533 kW//Week 26: 1.548 kWh/Week ¹² ; Best Technical Electricity Consumption (TEC) 1.533 kW//Week ³
	numbers (each with 210 destinations); PC Interface Supported: Yes, HP Software support provided;	Acoustics	Acoustic Power Emissions: 7 B(A) (Print color simplex A4 at 41 ppm)
Standard Connectivity	Remote Retrieval Capability Supported: No: Telephone Handset Supported: No 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	Operating Environment	Operating Temperature Range: 59 to 86°F; Recommended Operating Temperature: 63 to 77°F; Stora Temperature Range: Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to recommended to the setup of the setup o
Network Capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 108ase-T, 100Base-Tx , 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)		140PF. 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
Wireless Capability	Optional, enabled with purchase of a hardware accessory	Security Management	Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to 70% RH Kerberos authentication, LDAP authentication, 2000 user PIN codes, Network: IPsec/Firewall with
Mobile Printing Capability	HP ePrint, Apple AirPrint™, Google Cloud Print	Secondy Hanagement	Certificate, Pre-Shared Key, and Kerberos authentication, Supports WJA-10 IPsec configuration Plug in
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		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 (usses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security lock slot, USB port disablement, HP Security Management:
Processor Speed Duty Cycle	1.2GHz / Hard disk: None. Printer uses eMMC solid state drive (SSD) Monthly, letter: Up to 150,000 pages ⁷		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/tdg/Manualk(03602120
Recommended Monthly Page Volume	2500 to 30,000 ⁸	Accessories	HP PageWide Managed 550-sheet Paper Tray (P1V16A), HP PageWide Managed 550-sheet Paper Tr
Media Types Supported	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Giossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardota V. 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough		and Cabinet (P1V17A), HP PageWide Managed 3x550 sheet Paper Tray and Stand (P1V1RA), HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand (P1V1A), HP Internal USB Port (B5L28A), HP Foreign Interface Harness (B5L31A), HP 1G8 x32 144-pin (800 MHz) DDR3 SDDMM (E5K48A), HP Letdirect 2900mv Print Server (I8031A), HP Jetdirect 3000w NFC/Wireless Accessory (I8030A), HP Laser Jet MFP Analog TexAccessory 500
Media Weight Supported	Tray 1: 16-58lb, 80lb Photo Paper Only; Trays 2-5: 16-58lb; HCI Trays 3 & 4: 16-58lb;	HP Service and Support Options	(CC487A), HP Staple Cartridge Refill (J8J96A)
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); Legai; 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; 822 mm - R; 65, R-16K; 184 x 260 mm - R; 65, R-16K; 184 x 260 mm - R; 65, R-16K; 196 x 200 mm - R; 196 x 20	Learn more at	U9VX9E - HP 3 year Next Business Day Onsite; U9VY0E - HP 4 year Next Business Day Onsite; U9VY1 HP 5 year Next Business Day Onsite
	RA4; A4; 5 x 8; Double Japan Postcard Rotated; 1 (5K: 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; 85 (10); B6 (UI); 5 x 7 4 x 6; 10 x 15 (mr, X5; Double Japan Postcard Rotated - R; A6; Japanese Postcard; Custom-sized media; Envelopes; Envelope B5; Envelope #10; Japanese Envelope (hou #3; Japanese Envelope TBio Open; Envelope C5; Envelope M9; Envelope M0; Lenvelope Monardt; Envelope (£6; 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; Rotated; 4 x 6 Index card; Double Japan Postcard; Rotated - R; A6 Index card; Japanese Postcard; Rotated; 4 x 6 Index card; Double Japan Postcard; Rotated - R; A6 Index card; Japanese Postcard; Rotated; 4 x 6 Index card; S x 7 Photo Media; 4A6 Photo media; 10 x 15 cm; Japanese Postcard Hagaki Photo Cards	hp.com	

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 turrent industry testing methods. ⁴ Based on standard TU-1 test image #1 at standard resolution. Wore complicated pages or higher resolution will take longer and use more memory. ³ IO3 peeds measurement of 115V device. ³ Speed specifications have been updated to reflect turrent industry testing methods. ⁴ Based on standard TU-1 test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. ³ IO3 peeds measurement of 115V device. ³ Speed specifications have been updated to reflect turrent industry testing methods. ⁴ Based on standard TU-1 test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. ³ IO3 peeds measurement of PO Clore Laser let 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 hp.com/learn/suresupply. Only available with original HP supplies; Internet access required. ¹⁰ All HP media listed as compatible with the following possible exceptions: 1 minute or less sleep delay setting. ^{Ni} Fi disabled. ¹³ Normalized TEC (wat hours per page) BA: <u>0.388 Wh/page</u>. <u>55: 0.383 Wh/page</u>.

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