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.

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













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.
- 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
- $\bullet~$ 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 quickly recognizes, formats, and prints.6
- Organize, staple, and collate documents with in-line finishing that helps you save time and look professional.

The world's most secure printing

- A suite of embedded security features help protect your printer from being an entry point for attacks.
- Protect information on the MFP and in transit over the network.
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good 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.
- $\bullet \ \ \text{This MFP meets rigorous standards for ISO class 5 clean rooms} \\ --\text{perfect for sensitive environments}.$
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.
- 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 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/dwo% 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. ⁶Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. ⁷ Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at http://hp.com/go/printsecurity. ⁶ Porgram availability varies. For more information, visit http://hp.com/go/printsecurity. ⁶ Porgram availability varies. For more information, visit http://hp.com/go/printsecurity.

HP PageWide Managed Color MFP P77940dns Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax (optional) / Yes	Media Sizes Custom	HCI: LTR,; A4	
Print Speed	A4 : Up to 40 ppm; Letter: Up to 40 ppm black; Up to 40 ppm; Letter: Up to 40 ppm color ⁵ First Page Out: As fast as 8 sec black; As fast as 8.3 sec color ⁶	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: (c) Ervelope Feeder: No. Standard Paper Trays : 2; Input Capacities: Un to \$50 sheets Tanden	
Print Resolution	Black (best): Up to 1200 x 1200 optimized dipl from 600 x 600 input dipl (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte): Color (best): Up to 2400 x 1200 optimized dipl from 600 x 600 input dipl (on HP Advanced Photo Papers)		Tray, Up to 100 sheets - MP Tray standard; Up to 10; None transparencies; Up to 1600 + 200 - 40 f As 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 envelope	
Print Technology	HP PageWide Technology with pigmented inks	Miles Ne de a le se	None transparencies; Up to 200 cards; Up to 200 sheets labels; Up to 500 sheets legal	
Print Resolution Technologies	HP PageWide Technology up to 1200 \times 1200 optimized dpi from 600 \times 600 input dpi	What's in the box	Y3Z64A HP PW Managed Color MFP P77940dns; HP Setup Ink Cartridges (yield after setup ~16000 pages CMY and ~20000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord	
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)	Replacement Cartridges	HP 990AC Black Contract PageWide Crtg (US/CA) (20,000) X4D18AC; HP 990AC Cyan Contract PageWide	
Standard Print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJL, JPEG, PCLM		Crtg (US/CA) (20,000) X4D09AC; HP 990AC Magenta Contract PageWide Crtg (US/CA) (16,000)	
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 Color Access Control, HP EasyColor, Front-facing USB printings, store print jobs, print preview, automatic two-sided printing, print multiple pages per sheet (2,	Product Dimensions	X4D12AC; HP 990AC Yellow Contract PageWide Crtg (US/CA) (16,000) X4D15AC W X D X H: 23.8 × 25.7 in × 30.4 in; Maximum: 50.0 × 40.4 × 41.5 in	
	 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Inik Only, General Office/Professional/Presentation dpi print modes, potional: wireless 	Product Weight	181.5 lb ¹	
		Warranty Features	90 day 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 Control Panel	ENERGY STAR* qualified; EPEAT* Gold 8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen; rotating (adjustable angle) display;	
Scan Type / Technology	Flatbed, ADF / Contact Image Sensor (CIS)		illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware	
Scan Resolution	Hardware: Up to 600 ppi; Optical: Up to 600 ppi	Display Description	Integration Pocket	
Scan File Format	Scan File Types supported by included software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)	Software Included	8.0-in (20.3 cm) Color Graphics Display (CGD) with IR touchscreen 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),	
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,	Fonts and Typefaces	Online users to 123.PP.com of SAIP Source for printer software, Online user manuals 105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3	
Scan Size	ADF : 11.7 x 34 in Maximum; 4 x 6 in Minimum; Flatbed : 11.7 x 17 in		emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal	
Scan Speed	Up to 50 ipm (mono and color), LEF* Duplex: Up to 35 ipm (mono and color), LEF*		Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfont	
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 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 (60, 7.0), Linux SUSE (113, 24.71), Linux Ubutt (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12	
Bit Depth / Grayscale levels	24-bit / 256		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	
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 FIP-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, No z'-ordering; content orientation;	Compatible Network Operating Systems	editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.) Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1 2, and 3), Citrix on Windows Server 2003/2003R2 (2 trix on Windows Server 2003/2003R2)	
Copy Speed	collation; booklet; ID Scan; job build; edge-to-edge; job storage		SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plu Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5	
Copy Resolution	Color (A4): ³ Black (text and graphics): Up to 600 × 600 dpi; Up to 600 × 600 dpi; Color (text and graphics): Up to 600		[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, 46-bit], Citrix XenDesktop 5.6 [for Windows Server 2008	
Maximum Number Of Copies	x 600 dpi Up to 9999 copies		R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP	
Copier Resize	25 to 400%		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	
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		Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Nove 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)	
Fax Speed	Up to : 33.6 kbps		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	
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); Elack (standard): 204 x 98 dpi; Color (standard): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only);	R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Servici 2016/64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)	(SPI/SP2) Standard/Enterprise/Datacenter (* Cluster & Terminal Services), Windows Server 2012/201 R2 64-bit Standard/Foundation/EssentialS/Datacenter (* Cluster & Terminal Services), Windows Serve 2016/ 64-bit Standard/ Essential/Datacenter (* Cluster & Terminal Services)	
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	Minimum System Requirements	Im System Requirements PC: Windows® 10, 8.1, 8.7: 1 GHz 3.2-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® Penitum® II, Celeron® or 233 MHz compatible processor, SSO 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	
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 Plotting Supported: Yes: Gold to receive only): Fax Telephone Mode Supported: No: Junk Barrier Supported: Yes: Maximum Speed Dialing Numbers: Up to 1000 numbers (each with 210 destinations); PC Interface Supported: Yes: HP Software support provided;			
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	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 (sleep), 0.5 watts (
Network Capabilities	Hardware Integration Pocket Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-T, 100Base-T, 100Base-T, 202.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IP-sec (standard)	Acoustics	(off) ² Acoustic Power Emissions: 7 B(A) (Print color simplex A4 at 41 ppm)	
Wireless Capability	Optional, enabled with purchase of a hardware accessory	Operating Environment	Operating Temperature Range: 15 to 30°C; Recommended Operating Temperature: 17 to 25°C; Storag Temperature Range: Before initial setup (Non-Purged): -40 to 60°C; After initial setup (Purged): 0 to	
Mobile Printing Capability	HP ePrint, Apple AirPrint™, Google Cloud Print		60°C. If stored below the lowest specified operating temperature, unit must slowly warm up to an	
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);		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	
Processor Speed	1024 MB on the SCB; 512 MB on the ECB	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	
Duty Cycle	1.2GHz		802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP	
Recommended Monthly Page Volume	Monthly, letter: Up to 150,000 pages'		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),	
	2500 to 30,000 ⁸		Encrypted Credentials; Device: Security lock slot, USB port disablement, HP Security Management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and	
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, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Roudh	Accessories	accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to http://h10032.www1.hp.com/ctg/Manual/ HP PageWide Managed 550-sheet Paper Tray (P) 1V16A), HP PageWide Managed 550-sheet Paper Tray	
Media Weight Supported	Tray 1: 60-220 gsm, 300 gsm Photo Paper Only; Trays 2-5: 60-220 gsm; HCl trays 3 & 4: 60-220 gsm		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	
Media Sizes Supported	12 x 18; 11 x 17; RA3; A3; BK; 273 x 394 mm, 270 x 390 mm, 260 x 368 mm; 84 (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; 6 - R; 16K; 184 x 260 mm - R; BS (JIS) - R, 4rch A: Statement, Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated + R; A6; Japanese Bostcard; Custom-stized media; Envelopes; Envelope B5; Envelope B7; Envel		Module (W1B49Å), HP Internal USB Ports (BSL28Å), HP Foreign Interface Harness (BSL31A), HP 1 GB x32 144-pin (B00 MHz) DDR3 SODIMM (ESK4BA), HP Jetdirect 2900nw Print Server (B031A), HP Jetdirect 3000w NFC/Wireless Accessory (J8030A), HP Laser Jet 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		

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 #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. 5 ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see 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 Laser Jet or HP Color Laser Jet 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 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) BA: 0.388 Wh/Japae, ES: 0.383 Wh/Japae

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