

HP PageWide Pro 452dw Printer



Unbeatable value. Unparalleled speed.

Ultimate value and speed – HP PageWide Pro delivers the lowest total cost of ownership and fastest speeds in its class.^{1,2} Get professional-quality colour plus best-in-class security features and energy efficiency.^{3,4}



Professional colour, breakthrough total cost

- Results you expect and lasting value – breakthrough total cost of ownership, the lowest in its class.²
- Print professional-quality colour on a variety of papers – perfect for office use.
- Print more pages and replace cartridges less often, using Original HP PageWide high-yield cartridges.⁵
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.⁶

The fastest printer in its class¹

- Wait less, do more with best-in-class speeds – as fast as 55 ppm in colour and black-and-white.¹
- Grab pages and go – without waiting. This device wakes up and prints fastest in its class.⁷
- Print directly from your mobile device to your Wi-Fi Direct® printer – without accessing the company network.⁸

Proven technology. Superior energy efficiency.⁴

- Minimise downtime with HP PageWide Technology that delivers reliable performance businesses demand.
- Conserve with HP PageWide Technology – designed to use less energy than any printer in its class.⁴
- Get professional-quality colour documents and the performance you expect with Original HP PageWide cartridges.

Best-in-class security³ and management features

- Help protect your investment and extend capabilities as your needs grow, with a portfolio of solutions.⁹
- Help keep your printer secure – from boot up to shutdown – with secure boot and secure code integrity validation.

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>



2-sided printing



ePrint



HP PageWide technology color



Mobile printing

Accessories, Supplies and Support

Accessories	D3Q23A P PageWide Pro 500-sheet Paper Tray
	POV04A P PageWide Pro 2x500-sheet Paper Tray and Stand
Supplies	L0S07AE HP 973X High Yield Black Original PageWide Cartridge ~10,000 pages
	F6T81AE HP 973X High Yield Cyan Original PageWide Cartridge ~7,000 pages
	F6T82AE HP 973X High Yield Magenta Original PageWide Cartridge ~7,000 pages
	F6T83AE HP 973X High Yield Yellow Original PageWide Cartridge ~7,000 pages
Service and support	U8ZZ2E HP 3 year Next business day PageWide Pro X452/X552 Hardware Support
	U8ZZ3E HP 4 year Next business day PageWide Pro X452/X552 Hardware Support
	U8ZZ4E HP 5 year Next business day PageWide Pro X452/X552 Hardware Support
	U9AA9PE HP 1 year Post Warranty Next business day PageWide Pro X452/X552 Hardware Support
	U9AB0PE HP 2 year Post Warranty Next business day PageWide Pro X452/X552 Hardware Support
	U9AA3E HP 3 year Next business day Onsite Exchange PageWide Pro X452/X552 Service
	U9AA4E HP 4 year Next business day Onsite Exchange PageWide Pro X452/X552 Service
	U9AA5E HP 5 year Next business day Onsite Exchange PageWide Pro X452/X552 Service
	U9AB3PE HP 1 year Post Warranty Next business day Onsite Exchange PageWide Pro X452/X552 Service

Technical specifications

Model	HP PageWide Pro 452dw Printer
Product number	D3Q16B
Functions	Print
Control panel	5.08 cm (2.0") MGD (Monochrome Graphic Display)
Print	
Print technology	HP PageWide Technology with pigmented inks
Print speed	Black (A4, ISO): Up to 40 ppm; Colour (A4, ISO): Up to 40 ppm; Black (A4, duplex): Up to 21 ipm; Colour (A4, duplex): Up to 21 ipm; Black (General Office): Up to 55 ppm; Colour (General Office): Up to 55 ppm
First page out	Black (A4, ready): As fast as 6.5 sec; Colour (A4, ready): As fast as 7 sec
Print resolution	Black (best): Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on unspecified plain paper, HP Premium Inkjet Presentation Paper Matte, and HP Inkjet Brochure Paper Matte); Colour (best): Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Monthly duty cycle ¹	Up to 50,000 pages (A4); Recommended monthly page volume²: 750 to 4,500
Printer smart software features	HP ePrint; HP Mobile Apps; Google Cloud Print v2; Apple AirPrint™; HP EasyColor; 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/Maximum dpi print modes; Control Panel shortcuts
Standard print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation
Print area	Print margins: Top: 4.2 mm, Bottom: 4.2 mm, Left: 4.2 mm, Right: 4.2 mm; Maximum print area: 201.6 x 347.1 mm
Borderless Printing	No
Print cartridges number	4 (1 black, cyan, magenta, yellow)
Memory card compatibility	None
Duplex printing	Automatic (standard)
Processor speed	1.2 GHz
Connectivity	
Standard	1 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 802.11 b/g/n Station; 802.11 b/g Access Point
Optional	Support the following external Jetdirect servers; Print only: HP Jetdirect en1700 External Print Server (J7988G), HP Jetdirect en3700 Fast-Ethernet External Print Server for Network Capable Hi-Speed USB 2.0 & 3.0 Peripherals (J7942G), HP Jetdirect ew2400 802.11b/g wireless and Fast Ethernet external print server (USB 2.0, 10/100Base-TX, 802.11b/g) (J7951G), HP Jetdirect ew2500 802.11b/g Wireless Print Server (J8021A); Other supported accessories: Apple AirPort Express, Apple AirPort Extreme, Apple Airport TimeCapsule; Wireless Direct
Wireless	Yes, built-in Wi-Fi 802.11b/g/n
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps
Supported network protocols	Supported Network Protocols configurations (IPv4, IPv6); ARP; BOOTP; SMTP client; LLNMR; Bonjour; LP/ APIPA (Auto IP); NetBIOS/WINS; LPR/LPD; Custom Raw Port/Port9100; DNS Resolver; Multicast DNS; SNMPv1/v2; SNMPv3; Web Services Discovery; Web Services Print; DHCP options: 81/RFC4702/RFC4704, 12-Hostname; 44; Syslog; Firewall; SSL/TLS (HTTPS); Password-protected network Embedded Web server; Enable/disable network ports & device features; 802.1x wired authentication; 802.1x wireless authentication (EAP-TLS and PEAP)

Model	HP PageWide Pro 452dw Printer
Product number	D3Q16B
Network capabilities	Yes, via built-in Ethernet, wireless 802.11b/g/n
Memory	Standard: 512 MB; Maximum: 512 MB
Paper handling	
Number of paper trays	Standard: 2; Maximum: Up to 3
Media types	Plain paper (light, intermediate, mid-weight, heavy, extra heavy, prepunched, recycled, bond, other inkjet plain paper), photo (glossy, gloss, soft gloss, satin, matte, other inkjet photo), envelopes, labels, cards, specialty papers (glossy brochure, matte brochure, tri-fold brochure, Hagaki, greeting cards, other inkjet specialty paper)
Media size	Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 102 x 210 to 216 x 297 mm; Optional 500-sheet tray 3: 102 x 210 to 216 x 356 mm Supported (metric): Tray 1: Oficio, A4, A5, A6, B5 (JIS), B6 (JIS), 10 x 15 cm, envelopes (B5, C5, C6, DL); Tray 2: A4, A5, B5 (JIS), envelopes (DL, B5, C5); Tray 3: A4, A5, B5 (JIS)
Media handling	Standard input: 500-sheet input tray, 50-sheet multi-purpose tray Standard output: 300-sheet face-down output bin Optional input: Optional 500 sheet tray, 2 x 500-sheet paper tray
Media weight ³	Tray 1: 60 to 120 g/m ² (plain paper), 125 to 300 g/m ² (photo), 75 to 90 g/m ² (envelope), 120 to 180 g/m ² (brochure), 163 to 200 g/m ² (card); Tray 2: 60 to 120 g/m ² (plain paper), 125 to 250 g/m ² (photo), 75 to 90 g/m ² (envelope), 120 to 180 g/m ² (brochure), 163 to 200 g/m ² (card); Tray 3: 60 to 120 g/m ² (plain paper), 125 to 250 g/m ² (photo), 120 to 180 g/m ² (brochure), 163 to 200 g/m ² (card)
Input capacity	Standard: Up to 500 sheets Maximum: Up to 1,550 sheets
Output capacity	Standard: Up to 300 sheets Envelopes: Up to 35 envelopes Labels: Up to 100 sheets Cards: Up to 100 cards Maximum: Up to 300 sheets
Software included	Windows Installer and discrete PCL 6 driver; Mac Installer and PS driver; HP Update; HP Participation Study; Bing Toolbar; HP Smart Print
Printer management	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac); HP JetAdvantage Security Manager optional
Dimensions and Weight	
Printer dimensions (W x D x H)	Minimum: 530 x 407 x 378.9 mm; Maximum: 802 x 693 x 378.9 mm
Package dimensions (W x D x H)	600 x 495 x 477 mm
Printer weight ⁴	16.38 kg
Package weight	20.15 kg
Operating environment	Temperature: 15 to 30°C; Humidity: 20 to 80% RH
Storage	Temperature: -40 to 60°C Humidity: 5 to 90% RH
Acoustics	Acoustic power emissions: 6.9 B(A);
Power	Requirements: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); Consumption: 100 watts (maximum), 70 watts average (printing), 9.5 watts (ready), 4.5 watts (sleep), 0.2 watts (manual-off); Typical Electricity Consumption (TEC): 0.826 kWh/Week; Power supply type: Built-in power supply
Certifications	CISPR 22:2008-09/EN 55022:2010 (Class B); CISPR 24:2010/EN 55024:2010; EN 61000-3-2:2006 +A1:2009 +A2:2009; EN 61000-3-3:2008, EMC Directive 2004/108/EC with CE Marking (Europe) EPEAT® Silver; CECP; Blue Angel RAL-UZ 205
Compatible operating systems	Windows 10, Windows 8, Windows 7; OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks Lion; Linux (http://www.hplic.net)
Minimum system requirements	Windows: Windows® 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer; Windows Vista®: 32-bit only, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Mac: Apple® OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB available hard disk space; Internet required; USB
Country of origin	Made in China
What's in the box	HP PageWide Pro 452dw Printer; HP 913 Setup Black PageWide Cartridge (~3,000 pages); HP 913 Setup Cyan PageWide Cartridge, HP 913 Setup Magenta PageWide Cartridge, HP 913 Setup Yellow PageWide Cartridge: composite yield (~1,500 pages); Power cord; Installation guide; CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide)
Warranty	One-year, on-site warranty, service and support; One-year technical phone support, chat and email

Footnotes

¹ Comparison based on manufacturers' published specifications of fastest available colour mode of all colour business printers €300–€800 and MFPs €400–€1,000 as of November 2015, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q3 2015. HP PageWide speeds based on General Office mode and exclude first page. Learn more at hp.com/go/printerspeeds.

² Total cost of ownership comparison based on 90,000 pages, manufacturers' published specifications for page yields and energy use, manufacturers' recommended street prices for HP hardware and supplies, average street prices for competitive devices, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, long-life consumables of all colour business printers €300–€800 and MFPs €400–€1,000 as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Actual prices may vary. Learn more at hp.com/go/pagewideclaims and hp.com/go/learnaboutsupplies.

³ Best-in-class security fleet management claim based on comparison of built-in features of all colour business printers €300–€800 and MFPs €400–€1,000 as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Learn more at hp.com/go/printersecurityclaims.

⁴ Energy claim based on TEC data reported on energystar.gov. Data normalised to determine energy efficiency of majority of in-class business printers €300–€800 and MFPs €400–€1,000 as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary. Learn more at hp.com/go/pagewideclaims.

⁵ HP 970X High Yield Original PageWide Cartridges are not included in printer purchase; purchase separately. Comparison based on ISO 24711 cartridge yields for HP 970 series High Yield Original PageWide Cartridges compared with HP 970 series Original PageWide Cartridges. High-yield cartridges are compatible only with HP PageWide Pro 400 and 500 series MFPs and printers. Learn more at hp.com/go/learnaboutsupplies.

⁶ Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class colour laser printers €300–€800 and MFPs €400–€1,000 as of November 2015; market share as reported by IDC as of Q3 2015. Learn more at hp.com/go/pagewideclaims.

⁷ Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all colour business printers €300–€800 and MFPs €400–€1,000 as of November 2015, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Subject to device settings. Actual results may vary. Learn more at hp.com/go/printerspeeds.

⁸ Mobile device needs to be connected directly to the signal of a Wi-Fi Direct[®] supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance[®]. For details, see hp.com/go/mobileprinting.

⁹ Additional workflow solutions available through HP's software and third-party partner programme. For solution details, visit hp.com/go/gsc.

Technical specifications disclaimers

¹ 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.

² 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.

³ All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used.

⁴ With ink installed, no media in trays.



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

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