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]

Dynamic security: Cartridges with non-HP chips might not work today or in the future. Learn more at: http://www.hp.com/go/learnaboutsupplies

Highlights
- Single-pass, two-sided printing
- Wi-Fi direct printing
- UPD PIN printing with on-board/off-board memory

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 class[1]
- 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 security[3] 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.

2-sided printing

HP PageWide Technology

HP Mobile Printing

ePrint

HP PageWide Pro 452dw Printer

Technical specifications

Functions	Print
Print speed	Up to 40 ppm ISO black (A4); Up to 40 ppm ISO colour (A4) General Office (black):Up to 55 ppm; General Office (colour):Up to 55 ppm First page out:As fast as 6.5 sec black (A4, ready) ;As fast as 7 sec colour (A4, ready)
Print resolution	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) black; Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
Print technology	HP PageWide Technology with pigmented inks
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
Print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation
Print capabilities	Borderless printing: No
Print cartridges number	4 (1 black, cyan, magenta, yellow)
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps
Monthly duty cycle	Up to 50,000 pages (A4); Recommended monthly page volume: 750 to 4,500
Automatic paper sensor	Yes
Processor speed	1.2 GHz
Display	5.08 cm (2.0") MGD (Monochrome Graphic Display)
Wireless Capability	Yes, built-in Wi-Fi 802.11b/g/n
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
Network Capabilities	Yes, via built-in Ethernet, wireless 802.11b/g/n
Memory	Standard 512 MB; Maximum 512 MB
Memory card compatibility	None
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
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 sizes	Supported 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); Custom: 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
Media Handling	Input capacity: Up to 500 sheets; Up to 100 cards cards; Up to 25 sheets (N/A Accessory Trays) photo paper Output capacity: Up to 300 sheets, Up to 35 envelopes Maximum: Up to 300 sheets Duplex printing: Automatic (standard)
Media weight	Supported: Tray 1: 60 to 120 g/m² (plain paper), 125 to 300 g/m² (photo), 75 to 90 g/m² (envelope), 120 to 180 g/m² (brochure), 163 to 200 g/m² (card); Tray 2: 60 to 120 g/m² (plain paper), 125 to 250 g/m² (photo), 75 to 90 g/m² (envelope), 120 to 180 g/m² (brochure), 163 to 200 g/m² (card); Tray 3: 60 to 120 g/m² (plain paper), 125 to 250 g/m² (photo), 120 to 180 g/m² (brochure), 163 to 200 g/m² (card); Recommended: 60 to 120 g/m² (plain paper); 125 to 300 g/m² (photo); 75 to 90 g/m² (envelope); 120 to 180 g/m² (brochure); 163 to 200 g/m² (card)
Printer management	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac); HP JetAdvantage Security Manager optional

What's in the box	D3Q16B: 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)
Accessories	D3Q23A HP PageWide Pro 500-sheet Paper Tray
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
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 (http://www.hplip.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
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 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	16.38 kg
Package weight	20.15 kg
Operating environment	Temperature: 15 to 30ºC, Humidity: 20 to 80% RH
Storage	Temperature: -40 to 60ºC, Humidity: 5 to 90% RH
Acoustics	Acoustic power emissions: 6.9 B(A); Acoustic pressure emissions: 56 dB(A) (monochrome/colour printing), inaudible (idle)
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) Energy Star Qualified: Yes
Country of origin	Made in China
Warranty	One-year, on-site warranty, service and support; One-year technical phone support, chat and email
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

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.

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