



HP PageWide Pro 452dw Printer

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 color plus best-in-class sheet security features and energy efficiency.^{3,4}



Professional mode speed: Up to 40 ppm black; Up to 40 ppm color

Standard connectivity: 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

Paper handling: 500-sheet input tray, 50-sheet multi-purpose tray; 300-sheet face-down output bin

Duty cycle (monthly): Up to 50,000 pages

Professional color, breakthrough total cost

- Results you expect and lasting value—breakthrough total cost of ownership, the lowest in its class.²
- Print professional-quality color on a variety of papers—perfect for office use.
- Print more pages and replace cartridges less often, using Original HP PageWide high-yield cartridges.⁶
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.⁷

The fastest printer in its class¹

- Wait less, do more with best-in-class speeds—as fast as 55 ppm in color and black-and-white.¹
- Grab pages and go—without waiting. This device wakes up and prints fastest in its class.⁵
- Print directly from your mobile device to your Wi-Fi Direct[®] printer—without accessing the company network.⁸

Proven technology. Superior energy efficiency.⁴

- Minimize 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 color 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.



¹ Comparison based on manufacturers' published specifications of fastest available color mode of all color business printers \$300–\$800 USD and MFPs \$400–\$1000 USD 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 <http://www.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' suggested retail prices for hardware and supplies, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, long-life consumables of all color business printers \$300–\$800 USD and MFPs \$400–\$1000 USD 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 <http://www.hp.com/go/pagewideclaims> and <http://www.hp.com/go/learnaboutsupplies> ³ Best-in-class security claim based on HP review of published embedded security features of competitive in-class Pro printers as of January 2016. Learn more at <http://www.hp.com/go/printersecurityclaims> ⁴ Energy claim based on TEC data reported on energystar.gov. Data normalized to determine energy efficiency of majority of in-class business printers \$300–\$800 USD and MFPs \$400–\$1000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary. Learn more at <http://www.hp.com/go/pagewideclaims> ⁵ Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all color business printers \$300–\$800 USD and MFPs \$400–\$1000 USD 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 <http://www.hp.com/go/printerspeeds> ⁶ 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 <http://www.hp.com/go/learnaboutsupplies> ⁷ Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class color laser printers \$300–\$800 USD and MFPs \$400–\$1000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Learn more at <http://www.hp.com/go/pagewideclaims> 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 <http://www.hp.com/go/mobileprinting> ⁹ Additional workflow solutions available through HP's software and third-party partner program. For solution details, visit <http://www.hp.com/go/gsc>

HP PageWide Pro 452dw Printer Specifications Table

Print Speed	Black (ISO): Up to 40 ppm; Color (ISO): Up to 40 ppm; First Page Out Black: As fast as 6.5 sec; First Page Out Color: As fast as 7 sec; Black (Draft): Up to 55 ppm; Color (Draft): Up to 55 ppm
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); 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
Printer Drivers Included	Windows PCL 6 Discrete; Mac PS; Windows HP UPD (PCL 6, PS); Linux; UNIX; SAP
Print Cartridges Number	4 (1 black, cyan, magenta, yellow)
Borderless Printing	No
Standard Print languages	HP PCLXL (PCL6), native PDF, HP Postscript Level 3 emulation
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 Grayscale and Black Ink Only, General Office/Professional/Presentation/Maximum dpi print modes, Control Panel Shortcuts
Printer Management	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac), HP JetAdvantage Security Manager optional
Standard Connectivity	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
Network Capabilities	Yes, via built-in Ethernet, wireless 802.11b/g/n
Network Ready	Standard (built-in Ethernet, WiFi 802.11b/g/n)
Wireless Capability	Yes, built-in Ethernet, 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
Memory	Standard: 512 MB; Maximum: 512 MB
Duty Cycle²	Monthly, letter: Up to 50,000 pages
Recommended Monthly Page Volume³	750 to 4500
Media Types Supported	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 Weight Supported⁴	Tray 1: 16 to 32 lb (plain paper); 33 to 80 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); Tray 2: 16 to 32 lb (plain paper); 33 to 66 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); Tray 3: 16 to 32 lb (plain paper); 33 to 66 lb (photo); 32 to 48 lb (brochure); 90 to 110 lb (card)
Media Sizes Supported	Tray 1: Letter, oficio, legal, statement, executive, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 10, Monarch); Tray 2: Letter, statement, executive, envelopes (No. 10); Tray 3: Letter, oficio, legal, statement, executive
Media Sizes Custom	Tray 1: 3 x 5 in to 8.5 x 14 in; Tray 2: 4.0 x 8.3 in to 8.5 x 11.7 in; Optional Tray 3: 4.0 x 8.3 in to 8.5 x 14 in
Paper Handling	500-sheet input tray, 50-sheet multi-purpose tray; 300-sheet face-down output bin; Duplex Options: Automatic (standard); Envelope Feeder: No; Standard Paper Trays: 2; Input Capacities: Up to 500 sheets standard; Up to 37 envelopes (N/A Accessory Tray); Up to 100 cards; Up to 225 sheets labels Output Capacities: Up to 300 sheets standard; Up to 35 envelopes; Up to 100 cards; Up to 100 sheets labels; Up to 250 sheets legal

What's in the box	D3Q16A HP PageWide Pro 452dw Printer; HP 972 Setup Black PageWide Cartridge (~3000 pages); HP 972 Setup Cyan PageWide Cartridge; HP 972 Setup Magenta PageWide Cartridge; HP 972 Setup Yellow PageWide Cartridge (CMY composite ~1500 pages); power cord; installation guide; CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide).
Replacement Cartridges	HP 972A Black Original PageWide Cartridge (~3500 pages); HP 972A Cyan Original PageWide Cartridge; HP 972A Magenta Original PageWide Cartridge; HP 972A Yellow Original PageWide Cartridge (CMY composite ~3000 pages); HP 972X High Yield Black Original PageWide Cartridge (~10,000 pages); HP 972X High Yield Cyan Original PageWide Cartridge; HP 972X High Yield Magenta Original PageWide Cartridge; HP 972X High Yield Yellow Original PageWide Cartridge (CMY composite ~7000 pages)
Product Dimensions	W x D x H: 20.9 x 16 x 14.9 in; Maximum: 31.6 x 27.3 x 14.9 in
Product Weight	36.10 lb
Warranty Features	One-year, on-site warranty, service and support; one-year technical phone support, chat, and e-mail
Control Panel	2" MGD (Monochrome Graphic Display)
Display Description	2.0" MGD (Monochrome Graphic Display)
Software Included	Windows Installer and discrete PCL 6 driver; Mac Installer and PS driver; HP Update; HP Participation Study; Bing Toolbar; HP Smart Print
Compatible Operating Systems	Windows 10, Windows 8, Windows 7, Mac OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks, Linux (hplip.net)
Compatible Network Operating Systems	Windows 10, Windows 8, Windows 7, Mac OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks, Windows 2003 Server (Standard Edition, Enterprise Edition, 32bit & 64-bit), Windows 2003 Server R2 (Standard Edition, Enterprise Edition, 32bit & 64-bit), Windows Small Business Server 2003 (32bit & 64-bit), Windows 2008 Server (Standard Edition, Enterprise Edition, 32bit & 64-bit), Windows Small Business Server 2008 (64-bit), Windows 2008 Server R2 (Standard Edition, Enterprise Edition, 64-bit), Windows Small Business Server 2011, Windows Server 2012, Windows Cluster (Windows Server 2008 R2), Windows Terminal Services (Windows Server 2008 R2), Windows 2003 Server Terminal Services with Citrix Metaframe XP with Feature Release 3, Windows Server 2008 Terminal Services with Citrix Presentation Server 4.0/4.5, Windows Server 2008 Terminal Services, Windows Server 2008 Terminal Services with Citrix XenApp, Citrix (Print): Xen Server 5.6, Xen Desktop 5.5, Citrix XenApps 6.0, Citrix XenApp 6.5, Novell Netware 6/6.5/Open Enterprise Server 6.5 (Novell iPrint support only), Linux (For more information, see hplip.net), SAP (For more information, see http://www.hp.com/go/sap/drivers), UNIX (For more information, see http://www.hp.com/go/unixmodelscripts)
Minimum System Requirements	PC: Windows® 10, 8.1, 8, 7: 32-bit or 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. 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, Internet Explorer 8; MAC: Apple® OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB HD; Internet required; USB
Power	Power Supply Type: Internal (Built-in) Universal Power Supply; Power Requirements: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); Power Consumption: 100 watts (Maximum), 70 watts average (Printing), 9.5 watts (Ready), 4.5 watts (Sleep), 0.95 watts (Auto-Off), 0.2 watts (Manual-Off)
Acoustics	Acoustic Power Emissions: 6.9 dB(A); Acoustic Pressure Emissions: 56 dB(A) (Mono/color printing), inaudible (idle)
Operating Environment	Operating Temperature Range: 59 to 86°F; Recommended Operating Temperature: 59 to 86°F; Storage Temperature Range: -40 to 140°F; Non-Operating Humidity Range: 5 to 90% RH; Operating Humidity Range: 20 to 80% RH; Recommended Humidity Operating Range: 20 to 80% RH
Accessories	HP PageWide Pro 500-sheet Paper Tray (D3Q23A)
HP Service and Support Options	U8ZZ1E - HP 2 year Next Business Day PageWide Pro X452/X552 Hardware 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; U9AA1E - HP 3 year Next Business Day Exchange PageWide Pro X452/X552 Service; U1PA9E - HP Network Installation OfficeJet/PageWide Pro X45x-X55x Service

Learn more at hp.com

¹ With ink installed, no media in trays ² 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. ³ 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. ⁴ All HP media listed as compatible with the printer in the HP DesignJet Printing Supplies Compatibility Guide, regardless of weight, may be used

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