Wireless, Print

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 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.[6]
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.[7]

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.[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 colour documents and the performance you expect with Original HP PageWide cartridges.

Best-in-class security and management features[3]
- 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.

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1. Comparison based on manufacturers' published specifications of fastest available colour mode of all colour 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 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 colour business printers $300–$800 USD and MFPs $400–$1,000 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 hp.com/go/pagewideclaims and hp.com/go/learnaboutsupplies

3. Best-in-class security and fleet management claim based on comparison of built-in features of all colour 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 hp.com/go/printersecurityclaims

4. Energy claim based on comparisons of data reported on energystar.gov for majority of in-class colour 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 hp.com/go/pagewideclaims

5. Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all colour 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 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 hp.com/go/learnaboutsupplies

7. Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class colour 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 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 hp.com/go/mobileprinting

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

Technical specifications

Functions	Print only
Print	
Technology	HP PageWide Technology with pigmented inks
Speed	**Black:** Up to 55 ppm (draft, A4); Up to 40 ppm (ISO, laser-comparable); **Colour:** Up to 55 ppm (draft, A4); Up to 40 ppm (ISO, laser-comparable); **Duplex printing:** Black/Colour (Draft, A4): Up to 21 ipm
First page out (A4, ready)	**Black:** As fast as 6.5 sec; **Colour:** As fast as 7 sec
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)
Languages	HP PCLXL (PCL6), native PDF, HP Postscript Level 3 emulation
Printer management	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac), HP JetAdvantage Security Manager optional
Wireless capability	Yes
HP ePrint capability	Yes
HP Auto wireless connect	Yes
Mobile printing capability	HP ePrint, HP Mobile Apps, Google Cloud Print v2, Apple AirPrint™, Mopria-certified, Android Plug-in, Windows 8/10, Windows 10 Mobile, Chromebook
Display	5.08 cm (2.0") MGD (Monochrome Graphic Display)
Media	
Duplex print options	Automatic (standard)
Duty cycle (monthly, A4)[1]	Up to 50,000 pages
Recommended monthly volume[2]	Up to 750 to 4,500 pages
Supported sizes	**Tray 1:** Oficio; A4; A5; A6; B5 (JIS); B6 (JIS); 16K; 10 x 15 cm; L; Hagaki; envelopes (B5; C5; C6; DL; Chou #3; Chou #4); **Tray 2:** A4; A5; B5 (JIS); 16K; envelopes (DL; B5; C5; Chou #3); **Tray 3:** A4; A5; B5 (JIS); 16K
Recommended weights[3]	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)
Supported weights	**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)
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)
Paper handling	500-sheet input tray, 50-sheet multi-purpose tray; Optional 500-sheet tray; 300-sheet face-down output bin
Memory	512 MB
Operating system compatibility	Windows 10, Windows 8, Windows 7, Mac OS X v10.6, Mac OS X Lion, Mac OS X Mountain Lion, Linux (hplip.net)
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 Yosemite, OS X Mavericks, OS X Mountain Lion; 1 GB HD; Internet required; USB
Connectivity	
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	Standard (built-in Ethernet and WiFi 802.11b/g/n)
Supported network protocols	Supported Network Protocols configurations (IPv4, IPv6); ARP; BOOTP; SMTP client; LLMNR; Bonjour; LP/ APIPA (Auto IP); NetBIOS/WINS; LPR/LPD; Custom Raw Port/Port9100; DNS Resolver; mDNS; 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)
Dimensions (W x D x H)	530 x 407 x 378.9 mm
Weight[4]	16.38 kg
Environmental	
Operating environment	**Recommended operating temperature range:** 15 to 30° C; **Storage temperature range:** -40 to 60° C
Acoustics	**Acoustic power emissions:** 6.9 B(A); **Acoustic pressure emissions:** 56 dB(A) (Mono/colour printing), inaudible (idle)
Power specifications	**Power supply type:** Internal (Built-in) Universal Power Supply; **Power supply required:** 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)
Warranty	1 Year Limited Warranty (Return to HP/Dealer - Unit Exchange)
What's in the box	HP PageWide Pro 452dw Printer; Setup cartridges[5]; power cord; installation guide; CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide); USB cable
Accessories	HP PageWide Pro 500-sheet Paper Tray (D3Q23A)

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 Designjet Printing Supplies Compatibility Guide, regardless of weight, may be used.
4 With ink installed, no media in trays.
5 In order to initialize the printer, some ink from the included setup cartridges will be used. Setup cartridges may have different page yield than replacement cartridges. For more information, visit: hp.com/go/learnaboutsupplies
6 Available in selected countries only.

To learn more, visit **hp.com**

Ordering information

Number	Description
D3Q16D	HP PageWide Pro 452dw Printer

Replacement cartridges

Number	Description
L0R97AA	HP 975A Black Original PageWide Cartridge
L0R88AA	HP 975A Cyan Original PageWide Cartridge
L0R91AA	HP 975A Magenta Original PageWide Cartridge
L0R94AA	HP 975A Yellow Original PageWide Cartridge
L0S09AA	HP 975X High Yield Black Original PageWide Cartridge
L0S00AA	HP 975X High Yield Cyan Original PageWide Cartridge
L0S03AA	HP 975X High Yield Magenta Original PageWide Cartridge
L0S06AA	HP 975X High Yield Yellow Original PageWide Cartridge

For information on reference page output, please log on the hp.com/go/pageyield

Recommended Papers[6]

Number	Description
C6818A	HP Professional Inkjet Paper, Glossy, A4, 50 sheets, 180 gsm
Q6593A	HP Professional Inkjet Paper, Matte, A4, 200 sheets, 120 gsm
Q6594A	HP Professional Inkjet Paper, Matte, A3, 100 sheets, 120 gsm

Please visit hp.com/apac/paper for more details.

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Number	Description
U8ZZ2E	HP 3-year Next Business Day PageWide Pro X452/X552 Hardware Support
U8ZZ2A	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
U8ZZ5E	HP 3-year 4h 9x5 PageWide Pro X452/X552 Hardware Support
U8ZZ6E	HP 4-year 4h 9x5 PageWide Pro X452/X552 Hardware Support
U8ZZ7E	HP 5-year 4h 9x5 PageWide Pro X452/X552 Hardware Support
U8ZZ8E	HP 3-year 4h 13x5 PageWide Pro X452/X552 Hardware Support
U8ZZ9E	HP 4-year 4h 13x5 PageWide Pro X452/X552 Hardware Support
U9AA0E	HP 5-year 4h 13x5 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
U9AB1PE	HP 1-year Post Warranty 4h 9x5 PageWide Pro X452/X552 Hardware Support
U9AB2PE	HP 1-year Post Warranty 4h 13x5 PageWide Pro X452/X552 Hardware Support

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