

# HP PageWide Pro 452dw Printer



## Significant value. Phenomenal speed.

Significant value and speed – HP PageWide Pro delivers a low total cost of ownership and phenomenal speeds in its class.<sup>1,2</sup> Get professional-quality colour plus extensive security features and energy efficiency.<sup>3,4</sup>



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, low total cost

- Results you expect and lasting value – for a low total cost of ownership.<sup>2</sup>
- 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.<sup>5</sup>
- Minimise time and budget spent on scheduled maintenance with streamlined HP PageWide Technology.<sup>6</sup>

### Our fastest printer in its class<sup>1</sup>

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

### Proven technology. Great energy efficiency.<sup>4</sup>

- Minimise downtime with HP PageWide Technology that delivers reliable performance businesses demand.
- Conserve with HP PageWide Technology – designed to use significantly low energy.<sup>4</sup>
- Get professional-quality colour documents and the performance you expect with Original HP PageWide cartridges.

### Our best-in-class security,<sup>3</sup> and management features

- Help protect your investment and extend capabilities as your needs grow, with a portfolio of solutions.<sup>9</sup>
- 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



## Technical specifications

<b>Functions</b>	Print
<b>Print speed</b>	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)
<b>Print resolution</b>	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)
<b>Print technology</b>	HP PageWide Technology with pigmented inks
<b>Print Area</b>	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
<b>Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation
<b>Print capabilities</b>	Borderless printing: No
<b>Print cartridges number</b>	4 (1 black, cyan, magenta, yellow)
<b>Mobile printing capability</b>	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps
<b>Monthly duty cycle</b>	Up to 50,000 pages (A4); Recommended monthly page volume: 750 to 4,500
<b>Automatic paper sensor</b>	Yes
<b>Processor speed</b>	1.2 GHz
<b>Display</b>	5.08 cm (2.0") MGD (Monochrome Graphic Display)
<b>Wireless Capability</b>	Yes, built-in Wi-Fi 802.11b/g/n
<b>Connectivity</b>	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 e1700 External Print Server (U7988G), HP Jetdirect en3700 Fast-Ethernet External Print Server for Network Capable Hi-Speed USB 2.0 & 3.0 Peripherals (U7942G), HP Jetdirect ew2400 802.11b/g wireless and Fast Ethernet external print server (USB 2.0, 10/100Base-TX, 802.11b/g) (U7951G), HP Jetdirect ew2500 802.11b/g Wireless Print Server (U8021A); Other supported accessories: Apple AirPort Express, Apple AirPort Extreme, Apple AirPort TimeCapsule; Wireless Direct
<b>Network Capabilities</b>	Yes, via built-in Ethernet, wireless 802.11b/g/n
<b>Memory</b>	Standard 512 MB; Maximum 512 MB
<b>Memory card compatibility</b>	None
<b>Printer smart software features</b>	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
<b>Media types</b>	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)
<b>Media sizes</b>	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
<b>Media Handling</b>	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)
<b>Media weight</b>	Supported: Tray 1: 60 to 120 g/m <sup>2</sup> (plain paper), 125 to 300 g/m <sup>2</sup> (photo), 75 to 90 g/m <sup>2</sup> (envelope), 120 to 180 g/m <sup>2</sup> (brochure), 163 to 200 g/m <sup>2</sup> (card); Tray 2: 60 to 120 g/m <sup>2</sup> (plain paper), 125 to 250 g/m <sup>2</sup> (photo), 75 to 90 g/m <sup>2</sup> (envelope), 120 to 180 g/m <sup>2</sup> (brochure), 163 to 200 g/m <sup>2</sup> (card); Tray 3: 60 to 120 g/m <sup>2</sup> (plain paper), 125 to 250 g/m <sup>2</sup> (photo), 120 to 180 g/m <sup>2</sup> (brochure), 163 to 200 g/m <sup>2</sup> (card); Recommended: 60 to 120 g/m <sup>2</sup> (plain paper); 125 to 300 g/m <sup>2</sup> (photo); 75 to 90 g/m <sup>2</sup> (envelope); 120 to 180 g/m <sup>2</sup> (brochure); 163 to 200 g/m <sup>2</sup> (card)
<b>Printer management</b>	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac); HP JetAdvantage Security Manager optional

<b>What's in the box</b>	<b>D3Q16B:</b> 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)
<b>Accessories</b>	<b>D3Q23A</b> HP PageWide Pro 500-sheet Paper Tray
<b>Supplies</b>	<b>LO507AE</b> HP 973X High Yield Black Original PageWide Cartridge ~10,000 pages <b>F6T81AE</b> HP 973X High Yield Cyan Original PageWide Cartridge ~7,000 pages <b>F6T82AE</b> HP 973X High Yield Magenta Original PageWide Cartridge ~7,000 pages <b>F6T83AE</b> HP 973X High Yield Yellow Original PageWide Cartridge ~7,000 pages
<b>Compatible operating systems</b>	Windows 10, Windows 8, Windows 7; OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks Lion; Linux ( <a href="http://www.hp.lipj.net">http://www.hp.lipj.net</a> )
<b>Minimum system requirements</b>	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
<b>Software included</b>	Windows Installer and discrete PCL 6 driver; Mac Installer and PS driver; HP Update; HP Participation Study; Bing Toolbar; HP Smart Print
<b>Printer dimensions (W x D x H)</b>	Minimum: 530 x 407 x 378.9 mm; Maximum: 802 x 693 x 378.9 mm
<b>Package dimensions (W x D x H)</b>	600 x 495 x 477 mm
<b>Printer Weight</b>	16.38 kg
<b>Package weight</b>	20.15 kg
<b>Operating environment</b>	Temperature: 15 to 30°C, Humidity: 20 to 80% RH
<b>Storage</b>	Temperature: -40 to 60°C, Humidity: 5 to 90% RH
<b>Acoustics</b>	Acoustic power emissions: 6.9 B(A); Acoustic pressure emissions: 56 dB(A) (monochrome/colour printing), inaudible (idle)
<b>Power</b>	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
<b>Certifications</b>	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
<b>Country of origin</b>	Made in China
<b>Warranty</b>	One-year, on-site warranty, service and support; One-year technical phone support, chat and email
<b>Service and support</b>	<b>U8Z2ZE</b> HP 3 year Next business day PageWide Pro X452/X552 Hardware Support <b>U8Z3ZE</b> HP 4 year Next business day PageWide Pro X452/X552 Hardware Support <b>U8Z4ZE</b> HP 5 year Next business day PageWide Pro X452/X552 Hardware Support <b>U9A9PE</b> HP 1 year Post Warranty Next business day PageWide Pro X452/X552 Hardware Support <b>U9A0PE</b> HP 2 year Post Warranty Next business day PageWide Pro X452/X552 Hardware Support <b>U9A3E</b> HP 3 year Next business day Onsite Exchange PageWide Pro X452/X552 Service <b>U9A4E</b> HP 4 year Next business day Onsite Exchange PageWide Pro X452/X552 Service <b>U9A5E</b> HP 5 year Next business day Onsite Exchange PageWide Pro X452/X552 Service <b>U9A3PE</b> HP 1 year Post Warranty Next business day Onsite Exchange PageWide Pro X452/X552 Service

## Footnotes

<sup>1</sup> Comparison based on manufacturers' published specifications of fastest available colour mode of all HP colour business printers €300-€800 and MFPS €400-€1,000 as of November 2015, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness).  
<sup>2</sup> 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, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, long-life consumables of all HP colour business printers €300-€800 and MFPS €400-€1,000 as of November 2015. Actual prices may vary. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness) and [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies).  
<sup>3</sup> Best-in-class security fleet management claim based on information of built-in features of all HP colour business printers €300-€800 and MFPS €400-€1,000 as of November 2015. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness).  
<sup>4</sup> Energy claim based on TEC data reported on energystar.gov. Data normalised to determine energy efficiency of HP in-class business printers €300-€800 and MFPS €400-€1,000 as of November 2015. Actual results may vary. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness).  
<sup>5</sup> 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](http://hp.com/go/learnaboutsupplies).  
<sup>6</sup> Less scheduled maintenance based on 150,000 pages printed, and published information of HP in-class colour laser printers €300-€800 and MFPS €400-€1,000 as of November 2015. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness).  
<sup>7</sup> Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all HP colour business printers €300-€800 and MFPS €400-€1,000 as of November 2015, excluding other HP PageWide products. Subject to device settings. Actual results may vary. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness).  
<sup>8</sup> 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](http://hp.com/go/mobileprinting).  
<sup>9</sup> Additional workflow solutions available through HP's software and third-party partner programme. For solution details, visit [hp.com/go/gsc](http://hp.com/go/gsc).

