



HP PageWide XL 4500 Printer series

Do the work of two printers with one—faster and lower cost than LED¹



FASTER

Monochrome and color, faster than LED¹

- Move projects forward with up to 12 D/A1 pgs/min monochrome and color, quick 30-second first page out
- Print, scan, copy in a single device—integrated 1200 dpi scanner with advanced and convenient workflows
- Consolidate—a single, easy-to-use device for all your monochrome and color printing/scanning needs
- Focus on your project, not the printer—up to 4 rolls with 100-page integrated top stacker

SAVE

Better document quality vs LED, lower cost¹

- Run at lower costs than low-volume LED¹—in monochrome and color
- Accurately track your printing costs using HP SmartTracker
- Produce excellent technical documents—crisp lines, fine detail, smooth grayscales that beat LED²
- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond³

SECURE

Help keep data safe, meet IT standards

- Get a range of strict security features—self-encrypting HDD, Secure Disk Erase, IPSec, and PIN printing
- Reduce time and costs of managing individual drivers by using HP DesignJet Universal Print Driver
- Control your printer fleet with HP Web Jetadmin, monitor your device remotely with the HP Embedded Web Server
- Streamline your print workflow with HP SmartStream software, print easily with HP Click submission tool⁴



reddot award 2016
best of the best



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.

Note: HP PageWide XL printers are not designed to use continuous ink systems. HP PageWide XL printers are designed for ink cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause the printer to fail, and voids the HP ink cartridge warranty.

¹ Fastest based on alternative low-volume LED printers and MFPs (under 7 D/A1 pages/minute) as of April, 2015. Operational costs based on low-volume LED technology under \$20,000 USD in the market as of April, 2015. Operational costs consist of supplies and service costs.

² For output produced with HP PageWide XL printers and LED printers from different manufacturers and that represent greater than 50% of the annual shipments of LED printers in North America as of 2014 according to IDC.

³ Compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification.

⁴ Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files. HP PageWide XL PostScript/PDF Upgrade Kit required for HP PageWide XL 4000/4500 Printers.

Technical specifications

General	Description	Large-format color MFP or printer	
	Technology	HP PageWide Technology	
	Applications	Line drawings, Maps, Orthophotos, Posters	
	Ink types	Pigment-based (cyan, magenta, yellow, black)	
	Ink cartridges	4 (1 x 400-ml per color)	
	Printheads	8 x HP 841 PageWide XL Printheads	
	Average printhead life	32 liters	
	Printhead warranty	10 liters or 12 months from installation	
	Print resolution	1200 x 1200 dpi	
	Minimum line width	0.0008 in (0.02 mm) (HP-GL/2 addressable)	
	Guaranteed minimum line width	0.0033 in (0.085 mm) (ISO/IEC 13660:2001(E)) ¹¹	
	Line accuracy	±0.1% ⁵	
	Print speed	Maximum print speed	29.52 ft/min (9 m/min) ¹²
		A1/Arch D/ANSI D (long edge first)	12 pages/min
Warm-up time		No warm up	
First page out		30 sec (from Ready mode)	
Media		Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
	Roll width	11 to 40 in (279 to 1016 mm)	
	Roll length	Up to 650 ft (200 m)	
	Roll diameter	Up to 7 in (177 mm)	
	Roll core diameter	3 in (7.6 cm)	
	Printable width	Up to 39.4 in (1000 mm)	
	Printable length	Up to 650 ft (200 m) for CAD and 98 ft (30 m) for poster ¹³	
	Media weight	19 to 53 lb (70 to 200 g/m ²)	
	Media thickness	Up to 15.7 mil (0.4 mm)	
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek® papers, matte film	
	Media output (standard)	Top stacker	
Scanner¹⁴	Description	36-in (91-cm) CIS scanner	
	Speed	Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (25.4 cm/sec)	
	Optical resolution	1200 dpi	
	Scan width	Up to 36 in (914 mm)	
	Original thickness	Up to 0.01 in (0.26 mm)	
	Maximum copy length	374.5 in (9512 mm)	
	Maximum scan length	708.7 in (18 m) (TIFF, 24-in (610-mm) wide original at 200 dpi), 315 in (8 m) (JPEG), 196.9 in (5 m) (PDF)	
	Scan format	Standard: JPEG, TIFF Optional: PDF 1.7, multipage PDF 1.7, PDF/A 1.4 (with PS/PDF upgrade)	
	Scan features	Preview with cropping, scan quicksets, batch scanning	
	Scan destination	USB, network folder (SMB), scan to email and to HP SmartStream software	
	Embedded controller	Processor	Intel Core i3
Memory		8 GB DDR3	
Hard drive		1 x 500 GB HDD, self-encrypted with AES-256	
Print languages (standard)		HP-GL/2, PCL 3 Win Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) ¹⁵	
Remote management		HP Partner Link, HP Embedded Web Server, HP Web Jetadmin	
Connectivity	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)	
	Printing paths	HP SmartStream software (optional) HP Click printing software ⁴ HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)	
	User interface	8-inch (203-mm) capacitive touchscreen	

⁵ ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 73°F (23°C), 50–60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.

⁶ Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer. The need for special ventilation is not anticipated. In case of doubt, customers should consult state and local requirements and regulations.

⁷ Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 4 to 6 D/A1 pages per minute and which represent more than 80% of the share of mid-volume LED printers in the US and Europe according to IDC as of April, 2015.

⁸ Based on third-party testing conducted in 2014 and 2015, no ozone was detected.

⁹ EPEAT registered where applicable and/or supported. See epeat.net for registration status and rating by country.

¹⁰ Data is consolidated across all your HP PageWide XL printers and multifunction printers, with the exception of HP PageWide XL blueprinters, as of March, 2017.

¹¹ Measured on HP Universal Bond Paper.

¹² Measured using 36-in (91-cm) print width.

¹³ For longer plots up to 656 ft (200 m), image quality might be affected.

¹⁴ Scanning functionality available with the HP PageWide XL 4500 Multifunction Printer only.

¹⁵ Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) are optional print languages for the HP PageWide XL 4500 Printer.

¹⁶ HP PageWide XL PostScript/PDF Upgrade Kit is standard for the HP PageWide XL 4500 Multifunction Printer.

¹⁷ Printing to non-HP large format printers is done through specific drivers, each of them covering several printers: Océ Windows Printer Driver (WPD), KIP Windows Driver WHQL, RICOH PostScript Driver, Xerox WHQL Driver.

¹⁸ BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.

¹⁹ Can be recycled through commonly available recycling programs.²⁰ Program availability varies.

Dimensions (w x d x h)	Printer	77.2 x 31.5 x 51.3 in (1960 x 800 x 1303 mm)
	MFP	77.2 x 34 x 51.3 in (1960 x 864 x 1303 mm) Depth: 31.5 + 2.5 in (800 + 64 mm) removable scanner input tray to pass through doorways
	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)
Weight printer	Printer	915 lb (415 kg)
	Shipping	1149 lb (521 kg)
Weight MFP	MFP	948 lb (430 kg)
	Shipping	1204 lb (546 kg)
Environmental	Operating temperature	41 to 104°F (5 to 40°C)
	Recommended temperature	59 to 95°F (15 to 35°C)
	Operating humidity	20 to 80% RH, depending on media type
Acoustic	Sound pressure	≤53 dB(A) (printing), ≤36 dB(A) (ready), ≤24 dB(A) (sleep)
	Sound power	≤6.8 B(A) (printing), ≤5.2 B(A) (ready), ≤4.2 B(A) (sleep)
Power	Requirements	Input voltage (auto ranging) 100-127 / 200-240 V (±10%), 50/60 Hz (±3 Hz), 7/3.5 A
	Consumption	0.4 kW (typical); 0.7 kW (max printing); 108.4 watts (ready); <1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
Certification	Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KC)
	Environmental	ENERGY STAR, EPEAT Silver, CE marking (including RoHS, WEEE, REACH); in compliance with WW RoHS materials restriction requirements in China, Korea, India, Vietnam, Turkey, Serbia, and Ukraine
Warranty	CZ312A, CZ313A	90 days
	CZ312H, CZ313H	3 years

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Ordering information

Product	CZ312A	HP PageWide XL 4500 40-in Multifunction Printer with PostScript/PDF
	CZ313A	HP PageWide XL 4500 40-in Printer
	CZ312H	HP PageWide XL 4500 40-in Multifunction Printer 3-year warranty with PostScript/PDF
	CZ313H	HP PageWide XL 4500 40-in Printer 3-year warranty
Accessories	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit ¹⁶
	CZ318A	HP PageWide XL Drawer
	L3J69AAE	HP SmartStream Preflight Manager
	L3J71AAE	HP SmartStream Preflight Manager One-Year Subscription
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers ¹⁷
	L3J76A	HP SmartStream Print Controller USB for HP PageWide XL 4000/4500 Printer Series
	2NH46AAE	HP SmartStream Document Organizer Module
	L3J69A	HP SmartStream Preflight Manager USB
	2NH47AAE	HP SmartStream Pixel Analysis Module
	Z8J18AAE	HP SmartTracker for HP PageWide XL 4000/4500 Printer
	Z8J18A	HP SmartTracker USB for HP PageWide XL 4000/4500 Series
	ZUE10A	HP Click USB for HP PageWide XL 4000/4500 Series
	C1Q19A	HP 841 PageWide XL Printhead
	F9J47A	HP 841 PageWide XL Cleaning Container
F9J48A	HP 841 PageWide XL Maintenance Cartridge	
Original HP PageWide XL ink cartridges	C1Q57A	HP 843A 400-ml Black PageWide XL Ink Cartridge
	C1Q58A	HP 843A 400-ml Cyan PageWide XL Ink Cartridge
	C1Q59A	HP 843A 400-ml Magenta PageWide XL Ink Cartridge
	C1Q60A	HP 843A 400-ml Yellow PageWide XL Ink Cartridge
	Original HP large format printing materials	L4L08A
L5P98A		HP Production Matte Poster Paper, 3-in Core (FSC® certified) ¹⁸ ♻️ ¹⁹ 40 in x 300 ft (1016 mm x 91.4 m)
L5Q03A		HP Production Satin Poster Paper, 3-in Core (FSC® certified) ¹⁸ ♻️ ¹⁹ 40 in x 300 ft (1016 mm x 91.4 m)
L5C80A		HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) ¹⁸ ♻️ ¹⁹ 36 in x 300 ft (914 mm x 91.4 m)
L6B19A		HP Matte Polypropylene, 3-in Core 40 in x 150 ft (1016 mm x 45.7 m)

Enjoy best-in-class support services, knowing HP works with HP PageWide XL Channel Partners to enable them to be properly trained, certified, and equipped to meet your needs. With efficient support and innovative support features, such as printer self-monitoring, predefined resolution paths, and intuitive maintenance wizards, you can work with confidence every day.

HP Financial Services can help you acquire an HP PageWide XL printing solution and accelerate the benefits to your business. Our solutions can help you increase your flexibility by preserving cash, freeing up budgets with a monthly payment structure, and offering an easy option to upgrade to the latest model when your business is ready.

Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered⁹
- Free, convenient HP ink cartridge recycling¹⁹
- FSC®-certified papers,¹⁸ range of recyclable HP media¹⁹



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