

Data sheet

HP PageWide XL 8000 Printer

The fastest large-format printer ever, monochrome and color¹



ACCELERATE

Meet the tightest deadlines

- Print up to 30 D/A1 pages/minute—the fastest print speed in the market, even versus LED¹
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow²
- Start printing in 50% of the time²—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,³ up to 6 rolls, dual ink supplies with auto-switch

GROW

Fast color, excellent document quality

- Generate new business growth—print GIS map and point-of-sale (POS) poster applications at breakthrough speeds
- Set a new technical document standard with crisp lines, fine detail, and smooth grayscales that beat LED⁴
- HP PageWide XL pigment ink for dark blacks, vivid color and moisture/fade resistance—even on uncoated bond⁵
- Print on a wide range of media up to 40 inches/101.6 cm—covering ISO/US technical and offset standards⁶

SAVE⁷

Low cost, dependable operation

- Low cost of operation in monochrome and color versus LED with long-life printheads, high ink efficiency⁷
- Eliminate manual steps and simplify your workflow with a consolidated monochrome and color solution
- Rely on proven HP PageWide Technology for dependable, high-volume print production⁸
- Help reduce downtime—innovative cloud-based support—self-monitoring, proactive alerts, automatic maintenance

¹ Printing at up to 30 D/A1 pages/minute, the HP PageWide XL 8000 Printer is faster than alternatives for large-format printing of technical documents, GIS maps, and point-of-sale (POS) posters under \$200,000 USD as of March, 2015 including 36-inch wide LED printers (printing up to 22 D/A1 pages/minute) and wide-format printers based on Memjet technology (printing up to 800 D/A1 pages/hour). Based on internal HP testing of the HP PageWide XL 8000 Printer in line drawing print mode on uncoated bond paper printing in D/A1 landscape.

² Using HP SmartStream software, job preparation and processing can be completed in 50% of the time. Conclusion based on an HP internal test measuring the time required to extract pages from a 50-page document and print them using several printers compared with using equivalent software programs. Also, using a single printer for monochrome and color printing can enable manual collation of mixed sets in 50% of the time as validated by an internal HP test measuring the total time needed to prepare, print, and manually collate a 100-page document with 10 color pages.

³ The production stacker and online folder are optional accessories.

⁴ Based on HP internal testing with internal users and external customers, evaluating overall print quality and specific print attributes (gray neutrality, fill area uniformity, line quality, and text quality) 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.

⁵ Based on HP internal testing. Evaluation of prints produced with HP PageWide XL printers and HP PageWide XL pigment ink shows equivalent or better results compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification.

⁶ ISO/US technical and offset standards include American ANSI and Architectural page size standards, ISO A technical document standard, and ISO B offset page size standard.

⁷ Operational costs for the HP PageWide XL 8000 Printer are comparable to or lower than operational costs for printers based on LED technology under \$100,000 USD for large-format printing of technical documents as of March, 2015 including 36-inch wide LED printers (printing up to 22 D/A1 pages/minute). Low operational costs in both monochrome and color driven by long-life printheads and high ink efficiency, as well as low maintenance requirements. For all HP PageWide XL printers, a single monochrome and color device enables workflow simplification that saves time compared to separate monochrome LED and color devices.

⁸ Proven HP PageWide Technology powers HP Inkjet Web Presses—currently producing 4 billion impressions annually—and HP X series business printers.

Based on reliable HP Thermal Inkjet technology and HP PageWide XL pigment ink, HP PageWide Technology offers high quality at high printing speeds. Scalable to meet a wide range of application and performance requirements, HP PageWide Technology provides low cost of operation in both monochrome and color.

HP PageWide Technology

The HP PageWide XL 8000 Printer includes a stationary 40-inch (101.6-cm) printbar that spans the whole printing width. As paper moves under the printbar, the entire page is printed in one pass, enabling very high printing speeds.



8 (2 x 775-ml per color with auto-switch)

HP PageWide XL pigment ink for HP PageWide XL printers

HP PageWide XL pigment ink is specially designed to provide reliable and dependable operation with HP PageWide XL printers and produce high-quality output:

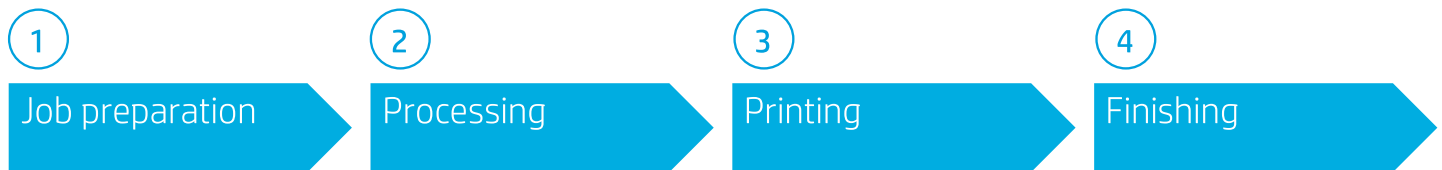
- Dark blacks and vivid colors, including when using uncoated bond papers
- Moisture- and fade-resistant prints⁵

Reliable operation for high-volume printing

Designed for high-volume operation, the HP PageWide XL 8000 Printer is based on proven HP PageWide Technology, currently powering HP Inkjet Web Presses—producing 4 billion impressions annually—and HP X series business printers.

HP 841 PageWide XL Printheads provide reliable and long-life operation, with an average life per printhead of 32 liters.

End-to-end productivity



HP PageWide XL systems have been designed to help you provide radically faster delivery.

To help you meet aggressive deadlines, productivity is optimized in every step of the workflow:

- 1.** Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time⁹
- 2.** With an ultra-fast processor and the embedded Adobe PDF Print Engine 3,¹⁰ HP PageWide XL printers are designed to quickly process including the most complex jobs
- 3.** Printing up to 30 D/A1 pages/minute with outstanding sustained capacity thanks to:
 - Breakthrough print engine speed of up to 23 meters/minute (75 feet/minute)
 - Very short time between pages (up to 0.15 seconds)
 - Extended time between service station cycles (up to hundreds of pages)
 - Quick switches between loaded rolls (under 5 seconds)
- 4.** Bidirectional communication between the HP PageWide XL printer and the production stacker/online folder³ provides reliable operation

⁹ Job preparation and processing can be completed in 50% of the time. Conclusion based on an HP internal test measuring the time required to extract pages from a 50-page document and print them using several printers compared with using equivalent software programs.

¹⁰ Adobe PDF Print Engine 3 is the next-generation rendering platform, optimized for end-to-end PDF workflows. Adobe PDF Print Engine 3 combines performance optimizations with a new scalability framework to power high-speed digital presses, large-format printers, and CTP platesetters. Adobe PDF Print Engine 3 is the fastest rendering platform for reliable reproduction of complex, graphically rich content. To learn more, visit adobe.com/products/pdfprintengine.html

Set a new quality standard for technical documents

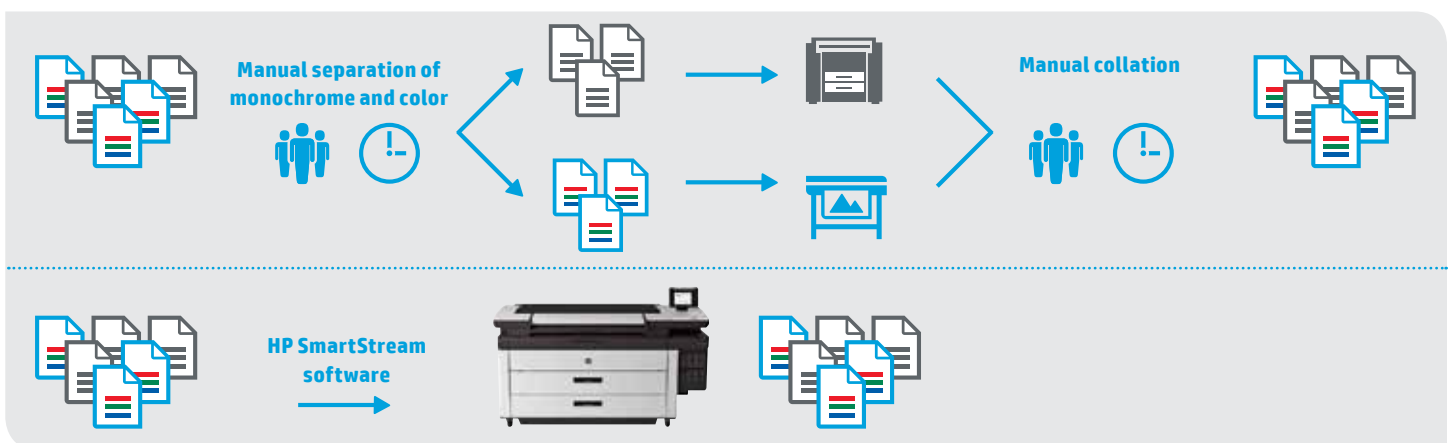
HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce durable and high-quality output with dark blacks and vivid colors.

Accurate and reliable dot placement results in crisp lines, fine detail, and smooth grayscales. HP PageWide XL printers do not apply heat to the paper as part of the printing process, enabling very high levels of length accuracy ($\pm 0.1\%$).

Save time and reduce complexity by consolidating your monochrome and color workflows

In reprographics environments, it is very common to print mixed monochrome and color sets—typically a long and complex process since color and monochrome pages must be manually separated by an operator, who must then send color and monochrome pages to two different printers (most likely using two different types of software), and then finally manually collate the monochrome and color pages together.

By consolidating monochrome and color at breakthrough printing speeds, HP PageWide XL printers remove manual steps from the process and allow delivering mixed sets in 50% of the time.²



- 1. Up to 6 rolls**—automatic roll switching when a roll is depleted or a different page size is selected.
- 2. Dual HP ink supplies** with auto-switch—replace used cartridges while the printer is running.
- 3. High-capacity** output solutions specially designed to keep up with HP PageWide XL printers speed (high-capacity stacker or online folder).
- 4. 8-inch touchscreen**—status light reports current status and provides progressive alerts on potential issues that could impact production (i.e., out of paper or ink).



Technical specifications

General	Description	Large-format color printer	
	Technology	HP PageWide Technology	
	Applications	Line drawings, Maps, Orthophotos, Posters	
	Ink types	Pigment-based (cyan, magenta, yellow, black)	
	Ink cartridges	8 (2 x 775-ml per color with auto-switch)	
	Printheads	8 x HP 841 PageWide XL Printheads	
	Average printhead life	32 liters	
	Printhead warranty	10 liters or 12 months	
	Print resolution	1200 x 1200 dpi	
	Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)	
	Guaranteed minimum line width	0.07 mm (0.0028 in) (ISO/IEC 13660:2001(E)) ¹¹	
	Line accuracy	+/- 0.1% ¹²	
	Print speed	Maximum print speed	23 m/min (75 ft/min)
A1/Arch D/ANSI D (long edge first)		30 pages/min	
A0/Arch E/ANSI E (short edge first)		18 pages/min	
Warm-up time		No warm up	
First page out		20 sec (from Standby mode)	
Media	Media rolls	2 rolls default with auto-switching, expandable to 6 rolls	
	Roll width	279 to 1016 mm (11 to 40 in)	
	Roll length	Up to 200 m (650 ft)	
	Roll diameter	177 mm (7 in)	
	Printable width	Up to 1000 mm (39.4 in)	
	Media weight	70 to 200 g/m ²	
	Media types	Bond papers, coated papers, poster papers, polypropylene	
	Media output (standard)	Basket	
	Media output (optional)	High-capacity stacker, online folder, top-delivery stacker	
	Capacity	Up to 500 pages (plain paper)	
High-capacity stacker	Page width	28 to 91.4 cm (11 to 36 in)	
	Page length	2.5 m (cross fold), 6 m (fan fold), unlimited (fan fold, optional)	
	Media weight for folding	75 to 90 g/m ²	
	Media weight for stacking	75 to 120 g/m ²	
	Capacity	Up to 150 (A0)	
	Dimensions	1626 x 1245 x 2146 mm (64 x 49 x 84.5 in)	
	Weight	285 kg (628 lb)	
	Tab applicator	Optional	
	Embedded controller	Processor	Intel Core i7
		Memory	16 GB DDR
Hard drive		1 x 128 GB SSD; 1 x 500 GB HDD, self-encrypted with AES-256	
Print languages (standard)		HP-GL/2, PCL 3 GUI	
Print languages (optional)		Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade)	
Remote management		HP PartnerLink, HP Embedded Web Server, HP WebJetAdmin	
Connectivity		Printing paths	HP SmartStream (optional) HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)
	User interface	User interface	8-inch capacitive touchscreen
		Dimensions	Printer
Shipping	2180 x 1068 x 1764 mm (86.8 x 42.1 x 69.5 in)		

Weight	Printer	478 kg (1053 lb)
	Shipping	585 kg (1289 lb)
Environmental	Operating temperature	5 to 40°C (41 to 104°F)
	Recommended temperature	15 to 35°C (59 to 95°F)
	Operating humidity	20 to 80% RH, depending on media type
Power	Requirements	Input voltage (auto ranging) 200 to 240 VAC (-10% +10%), 8A, 50/60 Hz (+/- 3 Hz)
	Consumption	1.1 kW (printing)
Warranty	90 days	

Ordering information

Product	CZ309A	HP PageWide XL 8000 Printer
Accessories	G6H50A	HP Designjet SD Pro Scanner
	G6H51A	HP Designjet HD Pro Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit
	K5H75A	HP PageWide XL Folder
	L3M58A	HP PageWide XL Folder with Tab Applicator
	CZ318A	HP PageWide XL Media Drawer (2 rolls)
	CZ319A	HP PageWide XL High-capacity Stacker
Original HP PageWide XL Printheads and consumables	C1Q19A	HP 841 PageWide XL Printhead
	F9J47A	HP 841 PageWide XL Cleaning Container
	F9J48A	HP 841 PageWide XL Maintenance Cartridge
Original HP ink cartridges	C1Q45A	HP 842A 775-ml Black Ink Cartridge
	C1Q46A	HP 842A 775-ml Cyan Ink Cartridge
	C1Q47A	HP 842A 775-ml Magenta Ink Cartridge
	C1Q48A	HP 842A 775-ml Yellow Ink Cartridge
Original HP large format printing materials¹¹	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® Certified) ¹² 914 mm x 152.4 m (36 in x 500 ft)
	L5P98A	HP Production Matte Poster Paper, 3-in Core 1016 mm x 91.4 m (40 in x 300 ft)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core 1016 mm x 91.4 m (40 in x 300 ft)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® Certified) ¹² 914 mm x 91.4 m (36 in x 300 ft)
	L6B19A	HP Production Matte Polypropylene, 3-in Core 914 mm x 61 m (36 in x 200 ft)

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. For more information, please visit hp.com/go/pagewidexlservice.

Use Original HP PageWide XL pigment ink and HP 841 PageWide XL Printheads to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system to provide dark blacks and vivid colors—even on uncoated bond—in moisture- and fade-resistant prints.⁵ For more information, visit hp.com/go/pagewidexlinks.

HP PageWide printing materials are designed to perform with breakthrough HP PageWide Technology—the technological advances require special ink formulations and strictly controlled interactions between HP PageWide XL pigment ink and HP printing materials to achieve high-quality printing in a single pass. For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

¹¹ Available in the US only.

¹² 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. For information about HP large format printing materials, please visit HPLFMedia.com.

¹³ Can be recycled through commonly available recycling programs.



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