Data sheet

HP PageWide XL 8000 Printer

The fastest large-format monochrome and color printer ever, with up to 50% savings in total production costs[1]

Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered[1]
- Free, convenient HP ink cartridge recycling[2]
- FSC®-certified papers,[3] range of recyclable HP media[4]

1 EPEAT registered where applicable and/or supported. See epeat.net for registration status and rating by country.
2 Program availability varies. Please check hp.com/recycle for details.
3 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.
4 Can be recycled through commonly available recycling programs.

Please recycle large-format printing hardware and printing supplies.
Find out how at our website
hp.com/ecosolutions

ACCELERATE

Meet the tightest deadlines

- Print up to 30 D/A1 pages/min (1500 D/A1 pages/hr)—the fastest print speed in the market, even versus LED[1]
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow[2]
- Start printing in 50% of the time[3]—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,[4] 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 LED[5]
- HP PageWide XL pigment ink for dark blacks, vivid color and moisture/fade resistance—even on uncoated bond[6]
- Print on a wide range of media up to 40 inches/101.6 cm—covering ISO/US technical and offset standards[7]

SAVE

Cut total production costs up to 50%[1]

- Print monochrome technical documents at the same or lower cost than comparable LED printers[8]
- Print color technical documents at the lowest cost in the market[9]
- Cut job preparation and finishing costs up to 50%[2]
- See up to 10 times lower energy consumption than comparable LED printers[10]

For more information, please visit
hp.com/go/pagewidexl8000

POWERED BY Adobe PDF Print Engine

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 saves up to 50% in total production costs in the fastest large-format monochrome and color printer.[1]

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 on a range of media including uncoated bond papers
- Moisture- and fade-resistant prints[6]

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 monthly—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 Job preparation → 2 Processing → 3 Printing → 4 Finishing

1. Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time[3]

2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 3,[11] HP PageWide XL printers are designed for quick processing, including the most complex jobs

3. Printing up to 30 D/A1 pages/minute (1,500 D/A1 pages/hr) 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 folder[4] provides reliable operation

Set a new quality standard for technical documents

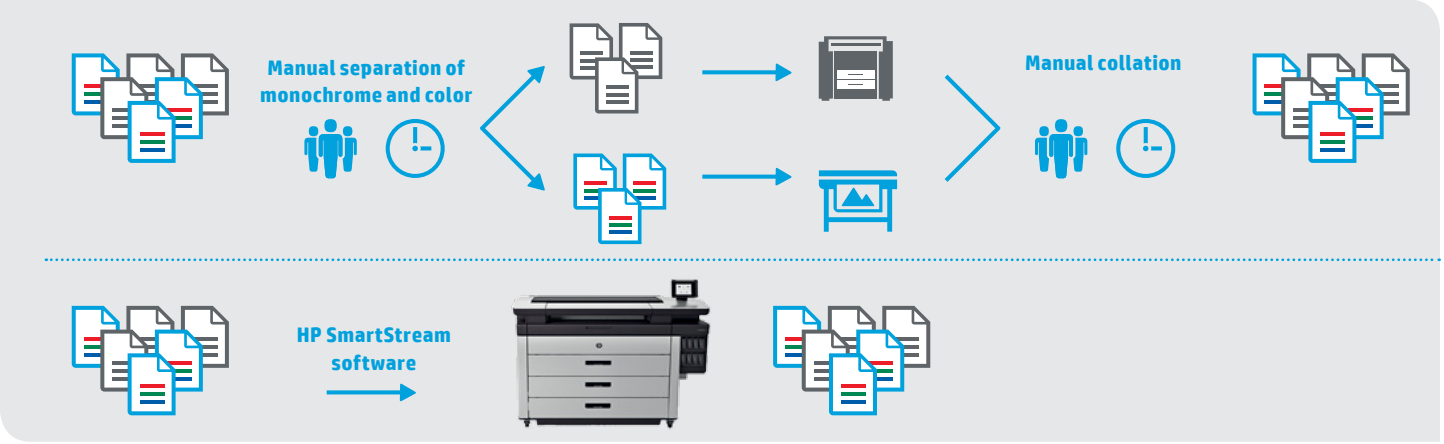
HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce durable and high-quality output with dark blacks and vivid colors.

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 (±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.

Consolidated workflow efficiencies in delivering mixed monochrome and color sets help contribute to up to 50% savings in total production costs.[1]



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 print speeds (high-capacity stacker or online folder).[4]
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 (2x 775-ml per color) with auto-switch
	Printheads	8x 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	0.085 mm (0.0033 in) (ISO/IEC 13660:2001(E))[12]
	Line accuracy	+/- 0.1%[13]
Print speed	Maximum print speed[14]	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
	ISO B1 (long edge first)	24 pages/min
	ISO B0 (short edge first)	15 pages/min
	A0 NTP media (short edge first)	6 pages/min
	A1 NTP media (long edge first)	11 pages/min
	Warm-up time	No warm up
	First page out	20 sec (from Ready 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	Up to 177 mm (7 in)
	Roll core diameter	7.6 cm (3 in)
	Printable width	Up to 1000 mm (39.4 in)
	Printable length[15]	Up to 90 m (295 ft) for CAD and 30 m (98 ft) for poster
	Media weight	70 to 200 g/m² (19 to 53 lb)
	Media thickness	Up to 15.7 mil
	Media types	Bond and recycled papers, tyvek papers, poster papers, polypropylene
	Media output (standard)	Basket and high-capacity stacker
	Media output (optional)	Online folder and top stacker[16]
High-capacity stacker	Maximum page size	102 x 122 cm (40 x 48 in)[17]
	Capacity	Up to 500 pages
	Media weight	70 to 200 g/m² (19 to 53 lb)
	Dimensions	101 x 125 x 108 cm (55.6 x 49.1 x 42.6 in)
	Weight	140 kg (308 lb)
Online folder	Page width	28 to 91.4 cm (11 to 36 in)
	Page length	Cross fold: 2.5 m (8.2 ft) Fan fold: 6 m (19.7 ft) (standard), unlimited (optional with HP PageWide XL Folder Upgrade Kit for Long Plots)
	Media weight for folding	75 to 90 g/m² (20 to 24 lb)
	Media weight for stacking	75 to 200 g/m² (20 to 53 lb)
	Capacity	Up to 150 (A0)
	Dimensions	1626 x 1245 x 1842 mm (64 x 49 x 72.5 in)
	Weight	310 kg (683 lb), (350 kg (772 lb) with tab applicator)
	Tab applicator	Available with HP PageWide XL Folder with Tab Applicator only
Embedded controller	Processor	Intel Core i7
	Memory	16 GB DDR
	Hard drive	1x 128 GB SSD; 1x 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)
	Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetdmin
Connectivity	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)
	Printing paths	HP SmartStream software (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	1960 x 800 x 1527 mm (77.2 x 31.5 x 60.1 in)
	Shipping	2180 x 1068 x 1764 mm (86.8 x 42.1 x 69.5 in)
Weight	Printer	478 kg (1054 lb)
	Shipping	585 kg (1290 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
Acoustic	Sound pressure	58 dB(A) (printing), 36 dB(A) (ready), <20 dB(A) (sleep)
	Sound power	7.4 B(A) (printing), 5.2 B(A) (ready), 3.8 B(A) (sleep)
Power	Consumption	0,59 kW (typical), ≤ 1.2 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
	Requirements	Input voltage (auto ranging) 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 8 A
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	90 days	

Ordering information

Product	CZ309B	HP PageWide XL 8000 40-in Printer with High-capacity Stacker and PostScript/PDF
Accessories	G6H50A	HP DesignJet SD Pro Scanner
	G6H51A	HP DesignJet HD Pro Scanner
	K5H75A	HP PageWide XL Folder
	L3M58A	HP PageWide XL Folder with Tab Applicator
	M0V04A	HP PageWide XL Folder Upgrade Kit for Long Plots[18]
	CZ318A	HP PageWide XL Drawer
	CZ320A	HP PageWide XL Top Stacker[16]
	L3J69AAE	HP SmartStream Preflight Manager
	L3J72AAE	HP SmartStream Print Controller for HP PageWide XL 8000
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 PageWide XL ink cartridges	C1Q45A	HP 842A 775-ml Black PageWide XL Ink Cartridge
	C1Q46A	HP 842A 775-ml Cyan PageWide XL Ink Cartridge
	C1Q47A	HP 842A 775-ml Magenta PageWide XL Ink Cartridge
	C1Q48A	HP 842A 775-ml Yellow PageWide XL Ink Cartridge
Original HP large format printing materials	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified)[19] ♻ 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)[19] ♻ 914 mm x 91.4 m (36 in x 300 ft)
	L6B19A	HP 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.

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. For more information, please visit the Programs and Promotions section on hp.com/hpfinancialservices

[1] Fastest based on internal HP testing and methodology compared to alternatives for large-format printing of technical documents, GIS maps, and point-of-sale (POS) posters under $200,000 USD as of March, 2015. Production costs savings based on comparison to a setup consisting of one monochrome LED printer and one color production printer, both under $150,000 USD, as of April, 2015. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see hp.com/go/pagewidexlclaims.

[2] Based on internal HP testing on the HP PageWide XL 8000 Printer compared to using two different printers (one monochrome LED printer, one color printer). For testing criteria, see hp.com/go/pagewidexlclaims.

[3] Using HP SmartStream software compared with using equivalent software programs. For testing criteria, see hp.com/go/pagewidexlclaims.

[4] The online folder is an optional accessory.

[5] 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. For testing criteria, see hp.com/go/pagewidexlclaims.

[6] Compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification. For testing criteria, see hp.com/go/pagewidexlclaims.

[7] 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.

[8] Based on supplies and service costs for comparable LED printers under $150,000 USD for large-format printing of technical documents as of April, 2015 which represent more than 80% of the share of high-volume LED printers in the US and Europe in 2014 according to IDC. For testing criteria, see hp.com/go/pagewidexlclaims.

[9] Based on supplies and service costs for comparable color printers capable of printing 4 D/A1 pages per minute or more and under $150,000 USD for large-format printing of technical documents as of April, 2015 and representing more than 80% of the market in the US and Europe in 2014 according to IDC. For testing criteria, see hp.com/go/pagewidexlclaims.

[10] Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 18 to 22 D/A1 pages per minute and which represent more than 80% of the share of high-volume LED printers in the US and Europe according to IDC as of April, 2015. For testing criteria, see hp.com/go/pagewidexlclaims.

[11] 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

[12] Measured on HP Universal Bond paper.

[13] +/-0.1% of the specified vector length or +/-0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.

[14] Measured using 91-cm (36-in) print width.

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

[16] Available as of January 2016.

[17] Long plots with reduced capacity.

[18] Available as of November 2015.

[19] 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.

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