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]

Scan QR code and watch
XL 8000 demo Video :

EXCEL
Meet the tightest deadlines

- Print up to 30 A1/D pages/min (1500 A1/D 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

EXPAND
Set the accurate, durable, color standard

- Help generate new business—print GIS map and point-of-sale (POS) poster applications at breakthrough speeds

- Set a new technical document standard with crisp lines, 2-point text, smooth grayscales, and vibrant color

- HP PageWide XL pigment inks—ISO certified for long-term storage, light/water resistance[5]

- Print on HP and third-party media up to 40 inches/101.6 cm—covering ISO/US technical and offset standards[6]

SAVE
Cut total production costs up to 50% [1]

- Print monochrome technical documents at the same or lower cost than comparable LED printers[7]

- Print color technical documents at the lowest cost in the market[8]

- Cut job preparation and finishing costs up to 50%[2]

- See up to 10 times lower energy consumption than comparable LED printers[9]

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

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. More at hp.com/go/learnaboutsupplies

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 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 production stacker, HP HD/SD Pro Scanners, and online folder are optional accessories.

[5] HP PageWide XL pigment inks are certified per the ISO 11798 Permanence and Durability standard, proving that prints made with HP PageWide XL printers using Original HP PageWide XL pigment inks withstand harsh exposure to light, water, abrasion, and handling, and long-term storage and heat, and remain legible in the future. For more information see hp.com/go/printpermanence

[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] 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

[8] 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

[9] 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

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 from installation
	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))[10]
	Line accuracy	±0.1%[11]

Print speed[12]		
	Maximum print speed[15]	23 m/min (75 ft/min)
	A1/Arch D/ANSI D (long edge first)	30 pages/min, 1500 pages/hr
	A0/Arch E/ANSI E (short edge first)	18 pages/min, 800 pages/hr
	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, 250 pages/hr
	A1 NTP media (long edge first)	12 pages/min
	Warm-up time	No warm up, except for natural tracing paper (3 min)
	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	Up to 200 m (650 ft) for CAD and 30 m (98 ft) for poster[14]
	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, matte film, natural tracing papers
	Media output (standard)	Basket
	Media output (optional)	High-capacity stacker, online folder, top stacker

HP HD/SD Pro Scanners[4]		
	Scan speed[15]	Color: up to 15 cm/sec (6 in/sec) Grayscale: up to 33 cm/sec (13 in/sec)
	Optical resolution	1200 dpi
	Maximum scan width	1118-mm (44-in) with the HP SD Pro 44-in Scanner 1067-mm (42-in) with the HP HD Pro 42-in Scanner
	Settings	Type of original-preset, color mode, resolution (dpi), batch, single/multipage, file format, customizable file naming, customizable default settings, de-skew, image crop and align preview, enlarge/reduce, blueprint, lightness, saturation and RGB controls, white point and black point adjust, sharpen/blur, background removal, invert, mirror, accounting

High-capacity stacker[4]		
	Maximum page size	102 x 122 cm (40 x 48 in)[16]
	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[4]		
	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/E)
	Dimensions	2100 x 1620 x 1220 mm (82.7 x 63.8 x 48 in)
	Weight	360 kg (794 lb)
	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
	Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade)
	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 Universal Print Driver (HP-GL/2 and PS)
		HP PageWide XL print drivers (PDF, HP-GL/2, and PS)

User interface		
	User interface	203-mm (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); 2.2 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
	Requirements	Input voltage (auto ranging) 200-240 V (±10%), 50/60 Hz (±3 Hz), 13 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	

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Ordering information

Product	L3A09A	HP PageWide XL 8000 40-in Printer
Accessories	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	K5H75A	HP PageWide XL Folder
	L3M58A	HP PageWide XL Folder with Tab Applicator
	M0V04A	HP PageWide XL Folder Upgrade Kit for Long Plots
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit
	CZ318A	HP PageWide XL Drawer
	CZ319A	HP PageWide High-capacity Stacker
	CZ320A	HP PageWide XL Top Stacker
	L3J69AAE	HP SmartStream Preflight Manager
	L3J71AAE	HP SmartStream Preflight Manager One-Year Subscription
	L3J72AAE	HP SmartStream Print Controller for HP PageWide XL 8000
	L3J72A	HP SmartStream Print Controller USB for HP PageWide XL 8000 Printer Series
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers[17]
	2NH46AAE	HP SmartStream Document Organizer Module
	2NH47AAE	HP SmartStream Pixel Analysis Module
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	C1Q49A	HP 842B 775-ml Black PageWide XL Ink Cartridge
	C1Q50A	HP 842B 775-ml Cyan PageWide XL Ink Cartridge
	C1Q51A	HP 842B 775-ml Magenta PageWide XL Ink Cartridge
	C1Q52A	HP 842B 775-ml Yellow PageWide XL Ink Cartridge
Original HP large format printing materials	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified)[18][19] 914 mm x 152.4 m (36 in x 500 ft)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified)[18][19] 1016 mm x 91.4 m (40 in x 300 ft)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[18][19] 914 mm x 91.4 m (36 in x 300 ft)
	L6B19A	HP Matte Polypropylene, 3-in Core 1016 mm x 45.7 m (40 in x 150 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.

Find the media solution that fits your business and your HP PageWide XL printer at hp.com/go/mediasolutionslocator.

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

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[11] ±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.
[10] Measured on HP Universal Bond paper.
[12] Print speed while printing to the HP PageWide XL High-capacity Stacker.
[13] Measured using 91-cm (36-in) print width.
[14] For longer plots (up to 200 m (656 ft)), image quality might be affected.
[15] Monochrome scanning: A1/D image with black text graphics at 200 dpi; color scanning: A1/D fully-inked color image at 200 dpi, 24-bit RGB.
[16] Long plots with reduced capacity.
[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. For more information, please visit: hp.com/go/smartstream/trial.
[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. For information about HP large format printing materials, please visit HPLFMedia.com.
[19] Can be recycled through commonly available recycling programs.