HP PageWide XL 8000 Printer

The fastest large-format printer, save up to 50% total production costs[1]

Meet demand peaks, save with the ultimate in high-productivity print speed in monochrome and colour

ACCELERATE – Meet the tightest deadlines

- Print up to 30 A1 pages/min (1500 A1 pages/hr) – the fastest print speed in the market, even versus LED.[1]
- Deliver mixed monochrome and colour 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 colour, 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 greyscales that beat LED.[5]
- HP PageWide XL pigment ink for dark blacks, vivid colour and moisture/fade resistance – even on uncoated bond.[6]
- Print on a wide range of media up to 101.6 cm/40 inches – 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 colour 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 http://www.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: http://www.hp.com/go/learnaboutsupplies

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[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 € as of March, 2015. Production costs savings based on comparison to a setup consisting of one monochrome LED printer and one colour production printer, both under 150,000 €, as of April, 2015. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see http://www.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 colour printer). For testing criteria, see http://www.hp.com/go/pagewidexlclaims.
[3] Using HP SmartStream software compared with using equivalent software programs. For testing criteria, see http://www.hp.com/go/pagewidexlclaims.
[4] The production stacker and online folder are optional accessories.
[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 http://www.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 http://www.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 € 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 http://www.hp.com/go/pagewidexlclaims.
[9] Based on supplies and service costs for comparable colour printers capable of printing 4 A1 pages per minute or more and under 150,000 € 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 http://www.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 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 http://www.hp.com/go/pagewidexlclaims.

Technical specifications

General

Descriptions	Large-format colour 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 colour) 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 (HP-GL/2 addressable)
Guaranteed minimum line width	0.085 mm (ISO/IEC 13660:2001(E))[1]
Line accuracy	±0.1%[2]

Print speed

Maximum print speed	23 m/min[3]
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
Warm-up time	No warm up
First page out	25 sec (from Ready mode)

Media

Media rolls	2 rolls default with auto-switching, expandable to 6 rolls
Roll width	279 to 1016 mm
Roll length	Up to 200 m
Roll diameter	Up to 177 mm
Roll core diameter	7.6 cm
Media weight	70 to 200 g/m²
Media thickness	Up to 15.7 mil Up to 0.4 mm
Media types	Bond and recycled papers, poster papers, polypropylene, tyvek papers, matte film
Media output	Standard: Basket Optional: High-capacity stacker, online folder, top stacker
Maximum page size	102 x 122 cm Long plots with reduced capacity
Media weight	70 to 200 g/m²
Dimensions	101 x 125 x 108 cm
Weight	140 kg

Embedded controller

Processor	Intel Core i7
Memory	16 GB DDR3
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 Win, TIFF, JPEG Optional: Adobe PostScript 3, Adobe PDF 1.7 (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	8-inch (203-mm) capacitive touchscreen

Dimensions (w x d x h)

Printer	1960 x 800 x 1527 mm
Shipping	2180 x 1068 x 1764 mm

Weight

Printer	478 kg
Shipping	585 kg

Environmental

Operating temperature	5 to 40ºC
Recommended temperature	15 to 35ºC
Operating humidity	20 to 80% RH, depending on media type

Acoustics

Sound pressure	Printing: 58 dB(A); Ready: 36 dB(A); Sleep: <20 dB(A)
Sound power	Printing: 7.4 B(A); Ready: 5.2 B(A); Sleep: 3.8 B(A)

Power

Consumption	0.59 kW (typical); 1.2 kW (max printing); 108.4 W (ready); < 1 W (< 4.6 W with embedded Digital Front End) (sleep)
Requirements	Input voltage (auto ranging) 200-240 V (±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

CZ309A	HP PageWide XL 8000 40-in Printer

Accessories

CZ320B	HP PageWide XL Top Stacker
CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit
CZ318A	HP PageWide XL Drawer
CZ319A	HP PageWide XL High-capacity Stacker
K5H75A	HP F70 Folder
L3M58B	HP F70 Folder with Tab Applicator
1EX00B	HP F60 Folder with Tab Applicator
M0V04A	HP PageWide XL Folder Upgrade Kit for Long Plots
L3J69AAE	HP SmartStream Preflight Manager
2NH46AAE	HP SmartStream Document Organizer Module
2NH47AAE	HP SmartStream Pixel Analysis Module
L3J72AAE	HP SmartStream Print Controller for HP PageWide XL 8000 Printer series
L3J72A	HP SmartStream Print Controller USB for HP PageWide XL 8000 Printer series
Z8J14AAE	HP SmartTracker for HP PageWide XL 8000 Printer series
G6H50B	HP SD Pro 44-in Scanner
G6H51B	HP HD Pro 42-in Scanner

Original HP ink cartridges and maintenance supplies

C1Q19A	HP 841 PageWide XL Printhead
F9J47A	HP 841 PageWide XL Cleaning Container
F9J48A	HP 841 PageWide XL Maintenance Cartridge
C1Q53A	HP 842C 775-ml Black PageWide XL Ink Cartridge
C1Q54A	HP 842C 775-ml Cyan PageWide XL Ink Cartridge
C1Q55A	HP 842C 775-ml Magenta PageWide XL Ink Cartridge
C1Q56A	HP 842C 775-ml Yellow PageWide XL Ink Cartridge

ECO highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified [1] and EPEAT Silver registered [2]
- Free, convenient HP ink cartridge recycling [3]
- FSC®-certified papers [4], range of recyclable HP media [5]

[1] ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
[2] EPEAT registered where applicable and/or supported. See http://www.epeat.net for registration status and rating by country.
[3] Program availability varies. Please check http://www.hp.com/recycle for details.
[4] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see http://www.fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit http://www.HPLFMedia.com.
[5] Can be recycled through commonly available recycling programs.

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

[1] Measured on HP Universal Bond paper.
[2] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.
[3] Measured using 91-cm print width.