Datasheet

HP PageWide XL 4700 40-in Multifunction Printer with Top Stacker

Fast, seamless printing experience with the ultimate security[1]

Fast mono and color print, keep cost under control

- Don't waste time waiting on prints—high-productivity monochrome and color speeds up to 15 D/A1 pages/min.[2]
- Excellent technical prints with HP PageWide XL pigment inks—vivid color, crisp lines, fine detail beat LED.[3]
- Save with low running costs in mono and color[4] and with up to 10 times lower energy consumption.[5]
- Eco-Carton replaces plastic cartridge—80% reduction in plastic and 66% C02e reduction[6], free take back.[7]

Enhanced print/scan/copy for extreme simplicity[8]

- Easy printing and workflow efficiency with HP Click, HP SmartStream software; HP SmartTracker cost control.
- The market's largest 15-inch touchscreen[9] makes it easy to operate from the front and the back.
- Scan on the fly, gain agile digitalization with live scan preview and contextual post-edit capabilities.[8]
- Easy collaboration—access personal/network group folders at touchscreen; print, save, and share right away.

World class printer protection with HP Wolf Pro Security

- Best network protection with HP Connection Inspector dynamic security, HP Secure Boot, and Whitelisting.[1]
- Keep your fleet secure and set security preferences—any time—with HP Jet Advantage Security Manager software.
- Control who accesses the printer and its confidential documents with secure user authentication.

For more information, please visit http://www.hp.com/go/pagewidexl4700

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

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[1] Based on comparison of published security specifications commissioned by HP and performed by Sogeti in September, 2020. Comparison of the HP PageWide XL portfolio and competitors that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC. Comparison matrix and further details available upon request.
[2] The HP PageWide XL 4700 Printer series delivers 15 CAD output D/A1 prints in 1 minute. Number of pages will vary depending on the print mode and application printed.
[3] Based on testing commissioned by HP and performed by Sogeti in September, 2020. Fine detail based on the number of line breaks found in 1.5 mm of line. On vertical 1 px C,M,Y,K lines. Printed on Oce 75 g plain paper using equivalent fast/high-speed print modes. For output produced with an HP PageWide XL 8200 Printer and comparable printers from different manufacturers and that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC.
[4] Calculation based on total cost of ownership comparison of comparable competitive printer, considering average printhead life. Results show maintenance costs reduced by 50% when printing technical drawings. Analysis period of 5 years and assuming a production of 10763.91 ft²/month with a printing category distribution of: 80% lines, 20% high-density images. Testing commissioned by HP and performed by Sogeti in September, 2020.
[5] Based on tests performed internally by HP based on ISO 20690 and performed in September, 2020. Comparable printers using LED technology based on LED printers capable of printing 4-6 D/A1 pages per minute and which represent the majority market share of mid-volume LED printers in the US and Europe according to IDC as of October, 2020.
[6] Based on 1-liter cartridge, figures might be slightly different for 500-ml cartridge. C02e reduction based on moving from plastic ink cartridge to cardboard HP Eco-Carton ink cartridge, with annual manufacturing savings of 36 tons and transport savings of 1 ton. Equivalent to 147,755 km (91,811 miles) driven by an average passenger vehicle or 4,718,692 smartphones charged.
[7] For take-back of ink bag/printheads/prints, visit http://www.hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.
[8] Multifunction capabilities are available on the HP PageWide XL 4700 Multifunction Printer only.
[9] Based on comparison of published front panel specifications commissioned by HP and performed by Sogeti in September, 2020. Comparison of the HP PageWide XL portfolio and competitors that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC.

Technical specifications

General	
Description	Large-format color MFP
Technology	HP PageWide Technology
Applications	Line drawings; Maps; Orthophotos; Posters
Ink types	Pigment-based (C, M, Y, K)
Ink cartridges	4 (C, M, Y, K)
Cartridge size	500 ml
Printheads	8 (C, M, Y, K)
Average printhead life	32 L
Printhead warranty	12 months from the date of installation, or 10 L, or until the Warranty Ends date printed on the packaging, whichever comes first
Print resolution	1200 x 1200 dpi
Minimum line width	0.0008 in (HP-GL/2 addressable)
Line accuracy	±0.1%[1]
Print speed	
Technical documents (from roll)	Up to 800 ANSI D pages/hr, 15 ANSI D pages/min
Warm-up time	No warm up
First page out	22 sec (from USB)
Media	
Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
Roll size	11 to 40 in
Maximum roll diameter	Up to 7 in
Roll core diameter	3 in
Grammage	19 to 53 lb
Media thickness	Up to 15.7 mil
Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek papers, matte film
Media output (standard)	Top stacker (up to 100-page capacity)
Scanner	
Description	36-in (91-cm) CIS scanner
Speed	Color: up to 6 in/sec Grayscale: up to 10 in/sec
Optical resolution	1200 dpi
Scan width	Up to 36 in
Original thickness	0.01 in
Maximum copy length	374.5 in
Maximum scan length	164 ft (PDF), 39 ft (TIFF), 26 ft (JPEG)[2]
Scan format	JPG, TIFF, multi-TIFF, PDF, PDFA, multi-PDF, muli-PDFA
Scan features	Live preview, scan quicksets, smart background removal, black enhancement, automatic de-skew, reduce scan speed, post-edit settings (contrast, brightness, rotation, cropping and skew)
Scan destination	Printer storage, USB drive, network folder (SMB), My home folder, scan to email, scan to HP SmartStream software
Embedded controller	
Processor	Intel Celeron
Memory	8 GB DDR4
Hard drive	1 x 500 GB HDD, self-encrypted with AES-256
Native print languages	HP-GL/2, TIFF, JPEG, Adobe PostScript 3, Adobe PDF 1.7
Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin, PrintOS
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T), USB 2.0 host
Printing paths	HP SmartStream software (optional), HP Click printing software, HP PageWide XL print drivers (PDF, HP-GL/2, and PCL3), Apple AirPrint
User interface	
User interface	15.6-inch (396-mm) TFT (LED blacklight) 16:9-format HD capacitive touchscreen

Dimensions (W x D x H)	
Printer	77 x 30.9 x 55.7 in
Shipping	88.9 x 40.9 x 62.1 in
Weight	
Printer	996 lb
Shipping	1368 lb
Environmental	
Operating temperature	41 to 104ºF
Operating humidity	20 to 80% RH, depending on media type
Acoustics	
Sound pressure	≤60 dB(A) (operating), ≤36 dB(A) (idle), ≤20 dB(A) (sleep)
Sound power	≤7.8 B(A) (operating), ≤5.5 B(A) (idle), ≤3.5 B(A) (sleep)
Power	
Consumption	0.27 kW (typical); 0.7 kW (max printing); 95 W (ready); <16 W (sleep)
Requirements	Input voltage (auto ranging) 100-127/200-240 V (±10%), 50/60 Hz (±3 Hz), 7/3.5 A
Certification	
Safety	IEC 60950-1+A1+A2 and IEC 62368-1 2nd ed. compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 and 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
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 Registered, UL 2801 ECOLOGO, 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	
4VW15A	HP PageWide XL 4700 40-in Multifunction Printer with Top Stacker

Accessories	
8SB02A	HP PageWide XL Drawer
8SB03A	HP PageWide XL High-capacity Stacker
8SB06A	HP PageWide XL Accessory Upgrade Kit
8SF70A	HP F70 Folder
8SW03A	HP SmartStream Print Controller USB for HP PageWide XL 4000 Printer series
8SW03AAE	HP SmartStream Print Controller for HP PageWide XL 4000 Printer series
8SW13A	HP SmartTracker USB for HP PageWide XL 4000 Printer series
8SW13AAE	HP SmartTracker for HP PageWide XL 4000 Printer series

Original HP printing supplies	
3ED83A	HP 865 500-ml Magenta PageWide XL Ink Cartridge
3ED84A	HP 865 500-ml Yellow PageWide XL Ink Cartridge
3ED85A	HP 865 500-ml Cyan PageWide XL Ink Cartridge
3ED86A	HP 864 500-ml Black PageWide XL Ink Cartridge
3WW73A	HP 874/876 PageWide XL Cleaning Container
3WW99A	HP 841/874/876 PageWide XL Maintenance Cartridge
C1Q19A	HP 841/874 PageWide XL Printhead

Original HP large format printing materials

HP Universal Bond Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Production Matte Poster Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Production Satin Poster Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Matte Polypropylene, 3-in Core

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

[1] ±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.
[2] Scanned at 200 dpi.
[3] BMG trademark license code FSC®-C115319, see http://www.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.
[4] Can be recycled through commonly available recycling programs.

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