



HP PageWide XL 4600 Printer series

Do the work of two printers with one – faster and lower cost than LED¹



FAST—Immediate, simple access to final prints

- Don't waste time waiting for prints with speeds up to 15 D/A1 pages/min and a fast 30-second first page out.
- Gain reassurance that the print will turn out as you expect with one-click printing from HP Click.²
- Anyone can copy and scan with intuitive multifunction workflows, including automatic background removal.³
- Focus on your project, not the printer with up to 4 rolls and integrated 100-page top stacker.

SAVE—Help keep costs under control

- Run at lower costs than low-volume LED¹ in monochrome and color.
- Gain broad control over your printing costs and turn them to your advantage with HP SmartTracker software.
- Use half the energy per page compared to equivalent LED printers.⁴
- Secure data and help cut breach-related costs—self-encrypted HDD, Secure Disk Erase, and role access control.

CONSOLIDATE—Mono and color printing in one

- Improve manageability and simplify your workflow with one device for mono and color.
- Help meet all your needs, from job preparation to finishing, with a fully integrated HP solution.
- Produce excellent technical prints—vivid color, crisp lines, fine detail, smooth grayscales that beat LED.⁶
- Work with durable—moisture/fade-resistant—prints, even on uncoated bond, with HP PageWide XL pigment inks.⁵

For more information, please visit <http://www.hp.com/go/pagewidexl4600>

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>

¹ Fastest based on alternative low-volume LED printers and MFPs (under 7 D/A1 pages/minute) as of November, 2018. Operational costs based on low-volume LED technology under \$20,000 USD in the market as of November, 2018. Operational costs consist of supplies and service costs. For testing criteria, see <http://www.hp.com/go/pagewidexlclaims>.

² Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files. HP PageWide XL PostScript/PDF Upgrade Kit required for HP PageWide XL 4600 series printers.

³ Multifunction capabilities are available on the HP PageWide XL 4600 Multifunction Printer only.

⁴ Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 4-6 D/A1 pages per minute and which represent more than 80% of the share of mid-volume LED printers in the US and Europe according to IDC as of November, 2018. For testing criteria, see <http://www.hp.com/go/pagewidexlclaims>.

⁵ 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>.

⁶ 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 2018 according to IDC. For testing criteria, see <http://www.hp.com/go/pagewidexlclaims>.

Technical specifications

General	
Descriptions	Large-format color MFP or printer
Technology	HP PageWide Technology
Applications	Line drawings; Maps; Orthophotos; Posters
Ink types	Pigment-based (cyan, magenta, yellow, black)
Ink cartridges	4 (1 x 400-ml per color)
Printheads	8 x HP B41 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	0.0008 in (0.02 mm) (HP-GL/2 addressable)
Guaranteed minimum line width	0.0033 in (0.085 mm) (ISO/IEC 13660:2001(E)) ¹
Line accuracy	±0.1% ²
Print speed	
A1/Arch D/ANSI D (long edge first)	15 pages/min
Warm-up time	No warm up
First page out	30 sec (from Ready mode)
Media	
Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
Roll width	11 to 40 in (279 to 1016 mm)
Roll length	Up to 650 ft (200 m)
Roll diameter	Up to 7 in (177 mm)
Roll core diameter	3 in (7.6 cm)
Media weight	19 to 53 lb (70 to 200 g/m ²)
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: Top stacker
Scanner	
Description	36-in (91-cm) CIS scanner
Speed	Colour: Up to 3 in/sec (7.62 cm/sec); Greyscale: Up to 10 in/sec (25.4 cm/sec) Color: up to 7.62 cm/sec; grayscale: up to 25.4 cm/sec
Optical resolution	1200 dpi
Scan width	Up to 36 in (914 mm)
Original thickness	Up to 0.01 in (0.26 mm)
Maximum copy length	374.5 in 9.5 m
Maximum scan length	708.7 in (TIFF, 24-in wide original at 200 dpi), 315 in (JPEG), 196.9 in (PDF) 18 m (TIFF, 610-mm wide original at 200 dpi), 8 m (JPEG), 5 m (PDF)
Scan format	Standard: JPEG, TIFF, optional: PDF 1.4, multi-page PDF 1.4 (with PS/PDF upgrade)
Scan features	Preview with cropping, scan quicksets, batch scanning
Scan destination	USB, network folder (SMB), scan to email, scan to HP SmartStream software, scan to FTP
Embedded controller	
Processor	Intel Core i3
Memory	8 GB DDR3
Hard drive	1 x 500 GB HDD, self-encrypted with AES-256
Print languages	Standard: HP-GL/2, 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 Click printing software, 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 in (203 mm) capacitive touchscreen
Dimensions (w x d x h)	
Printer	Printer: 77.2 x 31.5 x 51.3 in (1960 x 800 x 1303 mm); MFP: 77.2 x 34 x 51.3 in (1960 x 864 x 1303 mm) ⁴
Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)
Weight	
Printer	Printer: 915 lb (415 kg); MFP: 948 lb (430 kg)
Shipping	Printer: 1149 lb (521 kg); MFP: 1204 lb (546 kg)

Environmental	
Operating humidity	20 to 80% RH, depending on media type
Acoustics	
Sound pressure	Printing: ≤ 58 dB(A); Ready: ≤ 35 dB(A); Sleep: ≤ 16 dB(A)
Sound power	Printing: ≤ 7.6 B(A); Ready: ≤ 5.2 B(A); Sleep: ≤ 4.2 B(A)
Power	
Consumption	0.4 kW (typical); 0.7 kW (max printing); 108.4 W (ready); < 1 W (< 4.6 W with embedded Digital Front End) (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+AZ compliant; USA and Canada (CSA listed)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES)
Environmental	ENERGY STAR, EPEAT Silver, CE marking (including RoHS, WEEE, REACH)
Warranty	RS313A, RS312A 90 days; RS313H, RS312H 3 years

Ordering information

Product	
RS313A	HP PageWide XL 4600 40-in Printer with Top Stacker
RS313H	HP PageWide XL 4600 40-in Printer Top Stacker and 3-year Warranty
RS312A	HP PageWide XL 4600 40-in Multifunction Printer with Top Stacker
RS312H	HP PageWide XL 4600 40-in Multifunction Printer with Top Stacker and 3yr warranty

Accessories	
Z8J18A	HP SmartTracker USB for HP PageWide XL 4x00 Printer series
L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4x00 Printer series
L3J71AAE	HP SmartStream Preflight Manager One-Year Subscription
L3J69AAE	HP SmartStream Preflight Manager
L3J69A	HP SmartStream USB Preflight Manager
G6H5TB	HP HD Pro 42-in Scanner
G6H50B	HP SD Pro 44-in Scanner
CZ318A	HP PageWide XL Drawer
CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit
ZUE10A	HP Click USB for HP PageWide XL 4x00 Printer series
ZNH47AAE	HP SmartStream Pixel Analysis Module
ZNH46AAE	HP SmartStream Document Organizer Module
Z8J18AAE	HP SmartTracker for HP PageWide XL 4x00 Printer series

Original HP ink cartridges and maintenance supplies

C1Q19A	HP B41 PageWide XL Printhead
C1Q57A	HP B43A 400-ml Black PageWide XL Ink Cartridge
C1Q58A	HP B43A 400-ml Cyan PageWide XL Ink Cartridge
C1Q59A	HP B43A 400-ml Magenta PageWide XL Ink Cartridge
C1Q60A	HP B43A 400-ml Yellow PageWide XL Ink Cartridge
F9J47A	HP B41 PageWide XL Cleaning Container
F9J48A	HP B41 PageWide XL Maintenance Cartridge

ECO highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified¹ and EPEAT® Silver registered²
- Free, convenient HP ink cartridge recycling³
- FSC®-certified papers⁴, recyclable HP media; some HP media eligible for take-back program⁵

¹ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
² EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
³ Program availability varies. Please check <http://www.hp.com/recycle> for details.
⁴ 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>.
⁵ Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

¹ Measured on HP Universal Bond paper.
² ±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.
³ For longer plots (up to 200 m/656 ft), image quality might be affected.
⁴ Depth: 800 + 64-mm (31.5 + 2.5-in) removable scanner input tray to pass through doorways.
⁵ 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>.
⁶ Can be recycled through commonly available recycling programs.

