



# HP PageWide XL 4500 Printer series

Do the work of two printers with one—faster and lower cost than LED<sup>1</sup>



## FASTER

### Monochrome and color, faster than LED<sup>1</sup>

- Move projects forward with up to 12 D/A1 pgs/min monochrome and color, quick 30-second first page out
- Print, scan, copy in a single device—integrated 1200 dpi scanner with advanced and convenient workflows
- Consolidate—a single, easy-to-use device for all your monochrome and color printing/scanning needs
- Focus on your project, not the printer—up to 4 rolls with 100-page integrated top stacker

## SAVE

### Better document quality vs LED, lower cost<sup>1</sup>

- Run at lower costs than low-volume LED<sup>1</sup>—in monochrome and color
- Accurately track your printing costs using HP SmartTracker
- Produce excellent technical documents—crisp lines, fine detail, smooth grayscales that beat LED<sup>2</sup>
- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond<sup>3</sup>

## SECURE

### Help keep data safe, meet IT standards

- Get a range of strict security features—self-encrypting HDD, Secure Disk Erase, IPSec, and PIN printing
- Reduce time and costs of managing individual drivers by using HP DesignJet Universal Print Driver
- Control your printer fleet with HP Web Jetadmin, monitor your device remotely with the HP Embedded Web Server
- Streamline your print workflow with HP SmartStream software, print easily with HP Click submission tool<sup>4</sup>

For more information, please visit  
[hp.com/go/pagewidexl4500](http://hp.com/go/pagewidexl4500)



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best of the best



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/learnabouteinksupplies](http://hp.com/go/learnabouteinksupplies)

**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.

<sup>1</sup> Fastest based on alternative low-volume LED printers and MFPs (under 7 D/A1 pages/minute) as of April, 2015. Operational costs based on low-volume LED technology under \$20,000 USD in the market as of April, 2015. Operational costs consist of supplies and service costs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>2</sup> 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](http://hp.com/go/pagewidexlclaims).

<sup>3</sup> 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](http://hp.com/go/pagewidexlclaims).

<sup>4</sup> 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 4000/4500 Printers.

Elevate your on-the-job productivity. The HP PageWide XL 4500 Printer series consolidates monochrome and color printing, as well as print/scan/copy in a single device. Fast, quality document production keeps the focus on moving projects forward.



### HP PageWide XL 4500 Printer series

- Boost your productivity
- Set a new quality standard for your technical documents
- Save space, reduce complexity
- Easy to use, easy to manage
- A better choice for the office—and the environment
- Select your file and click print<sup>4</sup>
- Gain insight and control over print costs

### Boost your productivity



The HP PageWide XL 4500 Printer series is designed to boost your productivity, whether you're printing a large project or a short job.

- With no warm-up time and ultra-fast processing, the HP PageWide XL 4500 Printer series can finish printing most jobs by the time other devices are still getting ready to print the first page
- With a print speed up to 12 D/A1 pages per minute in both monochrome and color, dealing with peaks and printing large projects is no longer a hassle

### Set a new quality standard for your technical documents



HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce high-quality output with dark blacks, neutral grays, and vivid colors that are moisture and fade resistant.<sup>3</sup>

Accurate and reliable dot placement result 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 line accuracy ( $\pm 0.1\%$ ).<sup>5</sup>

### Save space, reduce complexity



The HP PageWide XL 4500 Printer series can do the job of two printers—faster and at lower operating costs than LED.<sup>1</sup> With a single device, you can save space and reduce complexity—you now have one less printer to manage on the network, and you no longer need to manage two sets of printing supplies.



## Easy to use, easy to manage

The HP PageWide XL 4500 Printer series produces both monochrome and color in a single, easy-to-use device—with an MFP that can meet all your printing and scanning needs. The touchscreen interface enables simple, intuitive navigation and customization of print, scan, and copy functions. The status light provides at-a-glance status information from a distance. Replace ink or load new rolls simply and quickly. And run the printer unattended with four 400-ml HP ink cartridges and up to four 650-ft (200-m) long rolls.



## A better choice for the office—and the environment

The HP PageWide XL 4500 Printer series integrates easily into the office, with typical ventilation.<sup>6</sup> Both the printer and the MFP use a standard office plug for efficient energy consumption, and use half the energy per page compared to equivalent LED printers.<sup>7</sup> Unlike LED technology, HP PageWide Technology operates without a fuser, generating reduced heat and noise—and produces no ozone.<sup>8</sup> In addition, The HP PageWide XL 4500 Printer series has earned a number of leading environmental credentials including ENERGY STAR<sup>®</sup> certification and EPEAT registration.<sup>9</sup>



## Select your file and click print

With just one click,<sup>4</sup> you can print common file formats—like PDF, JPEG, TIFF, and HP-GL/2—from a PC or a Mac to the HP PageWide XL 4500 Printer series. Produce a broad range of applications, from posters to drawings and maps with HP Click printing software. You can also optimize media usage and costs with features such as PDF error check, auto-orientation, resizing and alignment, and automatic nesting.



## Gain insight and control over print costs

HP SmartTracker software provides powerful, consolidated data tracking and reporting.<sup>10</sup> Now you can easily keep track of both print costs and reimbursement fees. Produce easy-to-read, customizable, consolidated reports<sup>10</sup> that provide greater control and turn your print costs to your advantage.

- 1. Up to 4 rolls**—automatic roll switching when a roll is depleted or a different page size is selected
- 2. 400-ml HP ink supplies**
- 3. 8-inch (203-mm) touchscreen** with status light that reports at-a-glance current status from a distance; detailed preview and scan, copy, print presets help prevent errors and enable effortless operation
- 4. Top stacker** designed to save space and allows the printer to be placed against a wall; capacity up to 100 pages
- 5. Integrated 1200 dpi scanner**—scan at speeds up to 3 in/sec (7.62 cm/sec) in color and 10 in/sec (25.4 cm/sec) in grayscale; scan to a variety of file formats and work with advanced and convenient workflows



# Technical specifications

<b>General</b>	Description	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 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	0.0008 in (0.02 mm) (HP-GL/2 addressable)	
	Guaranteed minimum line width	0.0033 in (0.085 mm) (ISO/IEC 13660:2001(E)) <sup>11</sup>	
	Line accuracy	±0.1% <sup>5</sup>	
	<b>Print speed</b>	Maximum print speed	23.8 ft/min (7.3 m/min) <sup>12</sup>
		A1/Arch D/ANSI D (long edge first)	12 pages/min
		Warm-up time	No warm up
First page out		30 sec (from Ready mode)	
<b>Media</b>	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)	
	Printable width	Up to 39.4 in (1000 mm)	
	Printable length	Up to 650 ft (200 m) for CAD and 98 ft (30 m) for poster <sup>13</sup>	
	Media weight	19 to 53 lb (70 to 200 g/m <sup>2</sup> )	
	Media thickness	Up to 15.7 mil (0.4 mm)	
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek® papers, matte film	
	Media output (standard)	Top stacker	
	<b>Scanner<sup>14</sup></b>	Description	36-in (91-cm) CIS scanner
Speed		Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (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 (9512 mm)	
Maximum scan length		708.7 in (18 m) (TIFF, 24-in (610-mm) wide original at 200 dpi), 315 in (8 m) (JPEG), 196.9 in (5 m) (PDF)	
Scan format		Standard: JPEG, TIFF Optional: PDF 1.4, multipage 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 and to HP SmartStream software	
<b>Embedded controller</b>	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, PCL 3 Win Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) <sup>15</sup>	
	Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin	
<b>Connectivity</b>	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)	
	Printing paths	HP SmartStream software (optional) HP Click printing software <sup>4</sup> HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)	
<b>User interface</b>	8-inch (203-mm) capacitive touchscreen		

<sup>5</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 73°F (23°C), 50–60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.

<sup>6</sup> Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer. The need for special ventilation is not anticipated. In case of doubt, customers should consult state and local requirements and regulations.

<sup>7</sup> Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 4 to 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 April, 2015. For testing criteria, see [hp.com/go/pagewidexclaims](http://hp.com/go/pagewidexclaims).

<sup>8</sup> Based on third-party testing conducted in 2014 and 2015, no ozone was detected.

<sup>9</sup> EPEAT registered where applicable and/or supported. See [epeat.net](http://epeat.net) for registration status and rating by country.

<sup>10</sup> Data is consolidated across all your HP PageWide XL printers and multifunction printers, with the exception of HP PageWide XL blueprinters, as of March, 2017.

<sup>11</sup> Measured on HP Universal Bond Paper.

<sup>12</sup> Measured using 36-in (91-cm) print width.

<sup>13</sup> For longer plots up to 656 ft (200 m), image quality might be affected.

<sup>14</sup> Scanning functionality available with the HP PageWide XL 4500 Multifunction Printer only.

<sup>15</sup> Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) are optional print languages for the HP PageWide XL 4500 Printer.

<sup>16</sup> HP PageWide XL PostScript/PDF Upgrade Kit is standard for the HP PageWide XL 4500 Multifunction Printer.

<sup>17</sup> 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](http://hp.com/go/smartstream/trial).

<sup>18</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit [HPLFMedia.com](http://HPLFMedia.com).

<sup>19</sup> Can be recycled through commonly available recycling programs.

<sup>20</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.

<b>Dimensions (w x d x h)</b>	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) Depth: 31.5 + 2.5 in (800 + 64 mm) removable scanner input tray to pass through doorways
<b>Weight printer</b>	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)
	Printer	915 lb (415 kg)
<b>Weight MFP</b>	Shipping	1149 lb (521 kg)
	MFP	948 lb (430 kg)
<b>Environmental</b>	Shipping	1204 lb (546 kg)
	Operating temperature	41 to 104°F (5 to 40°C)
<b>Acoustic</b>	Recommended temperature	59 to 95°F (15 to 35°C)
	Operating humidity	20 to 80% RH, depending on media type
<b>Power</b>	Sound pressure	≤53 dB(A) (printing), ≤36 dB(A) (ready), ≤24 dB(A) (sleep)
	Sound power	≤6.8 B(A) (printing), ≤5.2 B(A) (ready), ≤4.2 B(A) (sleep)
<b>Certification</b>	Requirements	Input voltage (auto ranging) 100-127 / 200-240 V (±10%), 50/60 Hz (±3 Hz), 7/3.5 A
	Consumption	0.4 kW (typical); 0.7 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
<b>Warranty</b>	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)
<b>Environmental</b>	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
	CZ312A, CZ313A	90 days
	CZ312H, CZ313H	3 years

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](http://hp.com/go/learnaboutsupplies)

## Ordering information

<b>Product</b>	CZ312A	HP PageWide XL 4500 40-in Multifunction Printer with PostScript/PDF
	CZ313A	HP PageWide XL 4500 40-in Printer
	CZ312H	HP PageWide XL 4500 40-in Multifunction Printer 3-year warranty with PostScript/PDF
<b>Accessories</b>	CZ313H	HP PageWide XL 4500 40-in Printer 3-year warranty
	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit <sup>16</sup>
	CZ318A	HP PageWide XL Drawer
	L3J69AAE	HP SmartStream Preflight Manager
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers <sup>17</sup>
	Z8J18AAE	HP SmartTracker for HP PageWide XL 4000/4500 Printer series
	<b>Original HP PageWide XL printheads and consumables</b>	C1Q19A
F9J47A		HP 841 PageWide XL Cleaning Container
<b>Original HP PageWide XL ink cartridges</b>	F9J48A	HP 841 PageWide XL Maintenance Cartridge
	C1Q57A	HP 843A 400-ml Black PageWide XL Ink Cartridge
	C1Q58A	HP 843A 400-ml Cyan PageWide XL Ink Cartridge
	C1Q59A	HP 843A 400-ml Magenta PageWide XL Ink Cartridge
	C1Q60A	HP 843A 400-ml Yellow PageWide XL Ink Cartridge
<b>Original HP large format printing materials</b>	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified) <sup>18</sup> ♻️ <sup>19</sup> 36 in x 500 ft (914 mm x 152.4 m)
	L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) <sup>18</sup> ♻️ <sup>19</sup> 40 in x 300 ft (1016 mm x 91.4 m)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>18</sup> ♻️ <sup>19</sup> 40 in x 300 ft (1016 mm x 91.4 m)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>18</sup> ♻️ <sup>19</sup> 36 in x 300 ft (914 mm x 91.4 m)
	L6B19A	HP Matte Polypropylene, 3-in Core 40 in x 150 ft (1016 mm x 45.7 m)

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/pagewidexservice](http://hp.com/go/pagewidexservice).

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 at [hp.com/hpfinancialservices](http://hp.com/hpfinancialservices).

Find the media solution that fits your business and your HP PageWide XL printer at [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator).

### Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered<sup>9</sup>
- Free, convenient HP ink cartridge recycling<sup>20</sup>
- FSC®-certified papers,<sup>18</sup> range of recyclable HP media<sup>19</sup>

**Please recycle large-format printing hardware and printing supplies.**  
Find out how at our website [hp.com/ecosolutions](http://hp.com/ecosolutions)



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