



# 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—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
- It's simple—a single, easy-to-use device that meets all your printing and 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
- 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>
- Use half the energy per page compared to equivalent LED printers<sup>4</sup>

## SECURE

### Help meet tough IT, reliability standards

- Protect and manage confidential jobs more securely—retrieve documents at the printer with a PIN
- Help safeguard confidential information using a self-encrypting HDD with AES-256, Secure Disk Erase and IPsec
- Reduce time and costs of managing individual drivers by using HP DesignJet Universal Print Driver
- Rely on proven HP PageWide Technology for dependable production printing<sup>5</sup>

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



reddot award 2016  
best of the best



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

<sup>5</sup> Proven HP PageWide Technology powers HP PageWide Web Presses—currently producing 4 billion impressions monthly—and HP X series business 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

### 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 length accuracy ( $\pm 0.1\%$ ).

### 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

HP PageWide XL Technology takes the hassle out of printing—there's no need to decide whether to send a particular document to the monochrome or color device. The HP PageWide XL 4500 Printer series produces monochrome and color in a single, easy-to-use device—with an MFP that can meet all your printing and scanning needs.

The intuitive touchscreen with detailed preview and customizable print, scan, and copy presets, helps prevent errors and puts comprehensive print/scan/copy functionality just a few clicks away. The status light provides at-a-glance status information from a distance.

Replacing ink or loading new rolls—no spindle needed—is simple and quick. And with four 400-ml HP ink cartridges and up to four 650-ft (200-m) long rolls, the HP PageWide XL 4500 series printers can run unattended for quite a long time.

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

The HP PageWide XL 4500 Printer series integrates easily into the office. Designed for efficient energy consumption, both the printer and the MFP use a standard office plug. Unlike LED technology, HP PageWide Technology operates without a fuser, generating reduced heat and noise—and produces no ozone.<sup>6</sup> The HP PageWide XL 4500 Printer series can be seamlessly integrated into the workplace with typical ventilation.<sup>7</sup>

Designed with the environment in mind, 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>8</sup> ENERGY STAR<sup>®</sup> certifies products for superior energy efficiency. EPEAT helps identify “greener” computer and other electronic components. Qualified products meet rigorous criteria across the complete product life cycle—from materials restriction to packaging and air quality. The HP PageWide XL 4500 Printer series uses half the energy per page compared to equivalent LED printers.<sup>4</sup>



**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 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

General	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>6</sup>
	Line accuracy +/- 0.1% <sup>10</sup>
Print speed	Maximum print speed 23.8 ft/min (7.3 m/min) <sup>11</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)
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)
	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>12</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
Scanner <sup>13</sup>	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 (18,000 mm) (TIFF, 24-in (610-mm) wide original at 200 dpi), 315 in (8000 mm) (JPEG), 196.9 in (5000 mm) (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 and to HP SmartStream software
Embedded controller	Processor Intel Core i3
	Memory 8 GB DDR3
	Hard drive 1x 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>14</sup>
	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	8-inch capacitive touchscreen

<sup>6</sup> Based on third-party testing conducted in 2014 and 2015, no ozone was detected.

<sup>7</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>8</sup> EPEAT registered where applicable and/or supported. See [epeat.net](http://epeat.net) for registration status and rating by country.

<sup>9</sup> Measured on HP Universal Bond Paper.

<sup>10</sup> +/- 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 Original HP inks.

<sup>11</sup> Measured using 36-in (91-cm) print width.

<sup>12</sup> For longer plots up to 656 ft (200 m), image quality might be affected.

<sup>13</sup> Scanning functionality available with the HP PageWide XL 4500 Multifunction Printer only.

<sup>14</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>15</sup> HP PageWide XL PostScript/PDF Upgrade Kit is standard for the HP PageWide XL 4500 Multifunction Printer.

<sup>16</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>17</sup> Can be recycled through commonly available recycling programs.

<sup>18</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.

<b>Dimensions</b> (w x d x h)	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 removable scanner input tray to pass through doorways (800 + 64 mm)
	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)
<b>Weight printer</b>	Printer	915 lb (415 kg)
	Shipping	1149 lb (521 kg)
<b>Weight MFP</b>	Printer	948 lb (430 kg)
	Shipping	1204 lb (546 kg)
<b>Environmental</b>	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
<b>Acoustic</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>Power</b>	Requirements	Input voltage (auto ranging) 100 to 127 / 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 7/3.5 A
	Consumption	0.4 kW (typical); 1.2 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
<b>Certification</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)
	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
<b>Warranty</b>	90 days	

## 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
	CZ312C	HP PageWide XL 4500 40-in Multifunction Printer 3-year warranty with PostScript/PDF
	CZ313C	HP PageWide XL 4500 40-in Printer 3-year warranty
<b>Accessories</b>	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit <sup>15</sup>
	CZ318A	HP PageWide XL Drawer
	L3J69AAE	HP SmartStream Preflight Manager
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500
<b>Original HP PageWide XL printheads and consumables</b>	C1Q19A	HP 841 PageWide XL Printhead
	F9J47A	HP 841 PageWide XL Cleaning Container
	F9J48A	HP 841 PageWide XL Maintenance Cartridge
<b>Original HP PageWide XL ink cartridges</b>	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>16</sup> ♻️ <sup>17</sup> 36 in x 500 ft (914 mm x 152.4 m)
	L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) <sup>16</sup> ♻️ <sup>17</sup> 40 in x 300 ft (1016 mm x 91.4 m)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>16</sup> ♻️ <sup>17</sup> 40 in x 300 ft (1016 mm x 91.4 m)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>16</sup> ♻️ <sup>17</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>8</sup>
- Free, convenient HP ink cartridge recycling<sup>18</sup>
- FSC®-certified papers,<sup>16</sup> range of recyclable HP media<sup>17</sup>



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



© Copyright 2015, 2016 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

Adobe, PostScript, and Adobe PostScript 3 are trademarks of Adobe Systems Incorporated. Intel and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. Windows is a U.S. registered trademark of Microsoft Corporation. Mac and the Mac logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.

4AA5-9226ENA, August 2016, Rev.8

