



# HP PageWide XL 4500 Printer series for the US Federal Government

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 four 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 removable 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)



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### TAA compliance

The HP PageWide XL 4500 Printer and Multifunction Printer BCB versions are manufactured in TAA-compliant countries. TAA refers to the Trade Agreements Act (19 U.S.C. & 2501-2581), which is intended to foster fair and open international trade. TAA requires that the U.S. Government may acquire only "U.S.-made or designated country end products." This act requires contractors to certify that each end product meets the applicable requirements. End products are "those articles, materials, and supplies to be acquired for public use." This includes items that have been "substantially transformed" in the United States. HP PageWide XL printers manufactured in TAA-compliant countries have a user-removable HDD and have a FIPS certified encryption.

<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 PageWide Pro and PageWide Enterprise series 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
- Print on bond and recycled papers, tyvek papers, poster papers and polypropylene

### 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.

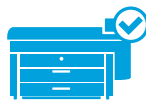
### Set a new quality standard for your technical documents

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 results 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 Printer series 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® certification and EPEAT registration.<sup>8</sup> ENERGY STAR® 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 four 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



<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.

## 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>9</sup>	
	Line accuracy	± 0.1% <sup>10</sup>	
	<b>Print speed</b>	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 rolls		2 rolls default with auto-switching, expandable to 4 rolls	
<b>Media</b>	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 295 ft (90 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	
<b>Scanner<sup>13</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 (18,000 mm) (TIFF, 24-in (610-mm) wide original at 200 dpi), 315 in (8000 mm) (JPEG), 196.9 in (5000 mm) (PDF)	
	Scan format	JPEG, TIFF, PDF 1.4, multi-page PDF 1.4	
	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		1x 500 GB HDD, self-encrypted with AES-256 (removable and lockable)	
Print languages		HP-GL/2, PCL 3 Win, Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG	
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 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 capacitive touchscreen		

<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 73°F (23°C), 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> BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large-format printing materials, please visit HPLFMedia.com.

<sup>15</sup> Can be recycled through commonly available recycling programs.

<sup>16</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 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	41 to 104°F (5 to 40°C)
	Recommended temperature	59 to 95°F (15 to 35°C)
	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) 100–127 / 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 watt (standby) (± 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>	3 years	

## Ordering information

<b>Product</b>	CZ313G#BCB HP PageWide XL 4500 Printer with PostScript/PDF (3 yr, #BCB, TAA compliant)		
	CZ312G#BCB HP PageWide XL 4500 MFP with PostScript/PDF (3 yr, #BCB, TAA compliant)		
<b>Accessories/ Services</b>	G6H50B	HP SD Pro 44-in Scanner	
	G6H51B	HP HD Pro 42-in Scanner	
	CZ318A	HP PageWide XL Drawer	
	L3J69AAE	HP SmartStream Preflight Manager	
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500	
	U8H50E	HP Installation and Network Setup for PageWide XL 4X00 3 yr series (required)	
	U9CV5E	HP PageWide XL Site Survey Unit of Service (required)	
	<b>Original HP PageWide XL printheads and consumables</b>	CTQ19A	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>14</sup> ♻️ 15 36 in x 500 ft (914 mm x 152.4 m)	
	L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) <sup>14</sup> ♻️ 15 40 in x 300 ft (1016 mm x 91.4 m)	
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>14</sup> ♻️ 15 40 in x 300 ft (1016 mm x 91.4 m)	
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>14</sup> ♻️ 15 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)	

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

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>16</sup>
- Free, convenient HP ink cartridge recycling<sup>16</sup>
- FSC®-certified papers,<sup>14</sup> range of recyclable HP media<sup>15</sup>



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

