



# HP PageWide XL 5100 Printer series

Instant monochrome and color printing—with up to 30% savings  
in total production costs<sup>1</sup>



## IMMEDIATE

### Get instant monochrome and color prints

- Up to 20 D/A1 pages/minute print speed, quick 28-second first page out
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow<sup>2</sup>
- Streamlined PDF workflow with HP SmartStream software, HP Click for easy batch printing
- Print unattended—production preflight/finishing solutions, up to 4 rolls, dual 400-ml inks with auto-switch

## EXPAND

### Set the accurate, durable, color standard

- Set a new technical document standard with crisp lines, 2-point text, smooth grayscales, and vibrant color
- Help generate new business—reveal the value of color; print GIS maps, point-of-sale posters, and more
- HP PageWide XL pigment inks—ISO certified for long-term storage, light/water resistance<sup>3</sup>
- Print on HP and third-party media up to 40 in (101.6 cm)—covering ISO/US technical and offset standards<sup>4</sup>

## SAVE

### Cut total production costs up to 30%<sup>1</sup>

- Print monochrome and color technical documents at the same or lower cost than comparable LED printers<sup>5</sup>
- Print/scan/copy in monochrome and color with one single device—in a fully HP branded, supported solution
- Gain broad control over your printing costs and turn them to your advantage with HP SmartTracker software
- Help keep data safe—self-encrypting HDD with AES-256, Secure Disk Erase, and IPSec

For more information, please visit  
[hp.com/go/pagewidexl/5100series](http://hp.com/go/pagewidexl/5100series)

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)

**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> Production costs savings based on an HP PageWide XL 5100 Printer compared with a combination of a mid-volume monochrome LED printer and a mid-volume color production printer (both under \$40,000 USD) as of April, 2017. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>2</sup> Based on internal HP testing on the HP PageWide XL 5100 Printer compared to preparing and printing the job on two different printers (one comparable monochrome mid-volume LED printer for the monochrome pages and one color printer for the color pages). For testing criteria, see <http://www.hp.com/go/pagewidexlclaims>.

<sup>3</sup> HP PageWide XL pigment inks are certified per the ISO 11798 Permanence and Durability standard, proving that prints made with HP PageWide XL printers using Original HP PageWide XL pigment inks withstand harsh exposure to light, water, abrasion, and handling, and long-term storage and heat, and remain legible in the future. For more information, see [hp.com/go/printpermanence](http://hp.com/go/printpermanence).

<sup>4</sup> ISO/US technical and offset standards include American ANSI and Architectural page size standards, ISO A technical document standard, and ISO B offset page size standard.

<sup>5</sup> Based on supplies and service costs. Monochrome technical document printing costs for comparable mid-volume LED printers based on printers for large-format printing of technical documents at speeds between 8 and 13 D/A1 per minute as of July, 2017, which represent more than 80% of the share of mid-volume LED printers in the US and Europe in 2017 according to IDC. Color technical document printing costs for comparable mid-volume color printers based on printers capable of printing 4 D/A1 pages per minute or more and under \$50,000 USD for large-format printing of technical documents as of July, 2017 and representing more than 80% of the market in the US and Europe in 2017 according to IDC. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

# 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	8 (2 x 400-ml per color) with auto-switch	
	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>7</sup>	
	<b>Print speed</b>	Maximum print speed <sup>8</sup>	50 ft/min (15 m/min)
		A1/Arch D/ANSI D (long edge first)	20 pages/min
A0/Arch E/ANSI E (short edge first)		11 pages/min	
ISO B1 (long edge first)		17 pages/min	
<b>Media</b>	Warm-up time	No warm up	
	First page out	28 sec (from Ready mode)	
	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>9</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 <sup>®</sup> , matte film	
	Media output (standard)	Basket	
	Media output (optional)	High-capacity stacker, online folder, top stacker	
<b>High-capacity stacker<sup>10</sup></b>	Maximum page size	40 x 48 in (102 x 122 cm) <sup>11</sup>	
	Capacity	Up to 500 pages	
	Media weight	19 to 53 lb (70 to 200 g/m <sup>2</sup> )	
	Dimensions	55.6 x 49.1 x 42.6 in (101 x 125 x 108 cm)	
<b>Scanner</b>	Weight	308 lb (140 kg)	
	Description	36-in (91-cm) CIS scanner	
	Speed	Color: up to 3 in/sec (7.62 cm/sec) at 200 dpi Grayscale: up to 10 in/sec (25.4 cm/sec) at 200 dpi	
	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)	Scan format (standard) JPEG, TIFF, PDF 1.7, multipage PDF 1.7, PDF/A 1.4	
	Scan features	Preview with cropping, scan quicksets, batch scanning	
	Scan destination	USB, network folder (SMB), scan to email, scan to HP SmartStream software	
	<b>Embedded controller</b>	Processor	Intel Core i5
		Memory	16 GB DDR3
		Hard drive	1 x 128 GB SSD; 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	
<b>Connectivity</b>	Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin	
	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)	
	Printing paths	HP SmartStream software (optional) HP Click 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>	User interface	8-inch capacitive touchscreen	
<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	76.8 x 33 x 51.3 in (1960 x 839 x 1303 mm)	
	High-capacity Stacker	55.6 x 49.1 x 42.6 in (101 x 125 x 108 cm)	
	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)	
<b>Weight</b>	Printer	915 lb (415 kg)	
	MFP	948 lb (430 kg)	
	High-capacity Stacker	308 lb (140 kg)	
	Shipping printer	1149 lb (521 kg)	
<b>Environmental</b>	Shipping MFP	1204 lb (546 kg)	
	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	

<sup>6</sup> Measured on HP Universal Bond Paper.  
<sup>7</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 inks.  
<sup>8</sup> Measured using 36-in (91-cm) print width.  
<sup>9</sup> For longer plots (up to 656 ft), image quality might be affected.  
<sup>10</sup> The HP PageWide XL High-capacity Stacker may be an optional accessory.  
<sup>11</sup> Long plots with reduced capacity.  
<sup>12</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>13</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>14</sup> Can be recycled through commonly available recycling programs.



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<b>Acoustic</b>	Sound pressure	56 dB(A) (printing), 35 dB(A) (ready), <16 dB(A) (sleep)
	Sound power	7.2 B(A) (printing), 5.2 B(A) (ready), 3.4 B(A) (sleep)
<b>Power</b>	Consumption	0.52 kW (typical); 0.9 kW (max printing); 108.4 watts (ready); <1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
	Requirements	Input voltage (auto ranging) 100-127 / 200-240 V (±10%), 50/60 ±3 Hz, 12/6.5 A
<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

**Warranty** 90 days  
 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>	2RQ08B	HP PageWide XL 5100 40-in Multifunction Printer with High-capacity Stacker and PostScript/PDF	
	2RQ08C	HP PageWide XL 5100 40-in Multifunction Printer with Top Stacker and PostScript/PDF	
	2RQ09B	HP PageWide XL 5100 40-in Printer with High-capacity Stacker and PostScript/PDF	
	2RQ09C	HP PageWide XL 5100 40-in Printer with Top Stacker and PostScript/PDF	
<b>Accessories</b>	CZ318A	HP PageWide XL Drawer	
	CZ319A	HP PageWide XL High-capacity Stacker	
	CZ320A	HP PageWide XL Top Stacker	
	G6H50B	HP 5D Pro 44-in Scanner	
	G6H51B	HP HD Pro 42-in Scanner	
	K5H75A	HP PageWide XL Folder	
	MOV04A	HP PageWide XL Folder Upgrade Kit for Long Plots	
	L3J69AAE	HP SmartStream Preflight Manager	
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000/5100 Printer series	
	L3J74A	HP SmartStream Print Controller USB for HP PageWide XL 5000/5100 Printer series	
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers <sup>12</sup>	
	2NH46AAE	HP SmartStream Document Organizer Module	
	2NH47AAE	HP SmartStream Pixel Analysis Module	
	Z8J16AAE	HP SmartTracker for HP PageWide XL 5000/5100 Printer series	
Z8J16A	HP SmartTracker USB for HP PageWide XL 5000/5100 Printer series		
<b>Original HP PageWide XL printheads and consumables</b>	ZUE11A	HP Click USB for HP PageWide XL 5000/5100 Printer series	
	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>	F9J82A	HP 848A 400-ml Black PageWide XL Ink Cartridge
		F9J83A	HP 848A 400-ml Cyan PageWide XL Ink Cartridge
		F9J84A	HP 848A 400-ml Magenta PageWide XL Ink Cartridge
		F9J85A	HP 848A 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>13</sup> <sup>14</sup> 36 in x 500 ft (914 mm x 152.4 m)
		L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) <sup>13</sup> <sup>14</sup> 40 in x 300 ft (1016 mm x 91.4 m)
		L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>13</sup> <sup>14</sup> 40 in x 300 ft (1016 mm x 91.4 m)
		L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>13</sup> <sup>14</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/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 [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>1</sup>
- Free, convenient HP ink cartridge recycling<sup>2</sup>
- FSC®-certified papers,<sup>3</sup> range of recyclable HP media<sup>4</sup>

<sup>1</sup> EPEAT registered where applicable and/or supported. See [epeat.net](http://epeat.net) for registration status and rating by country.  
<sup>2</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.  
<sup>3</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>4</sup> Can be recycled through commonly available recycling programs.

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