



# 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>
- Start printing in 50% of the time<sup>3</sup>—an ultra-fast processor, native PDF management, HP SmartStream software
- 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>4</sup>
- Print on HP and third-party media up to 40 in (101.6 cm)—covering ISO/US technical and offset standards<sup>5</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>6</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/pagewidexl5100series](http://hp.com/go/pagewidexl5100series)

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

**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> Using HP SmartStream software compared with using equivalent software programs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>4</sup> HP PageWide XL pigment inks are certified per the ISO 11798 Permanence and Durability standard, proving that prints made with 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>5</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>6</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	
	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 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	0.02 mm (0.0008 in) (HP-GL/2 addressable)	
	Guaranteed minimum line width	0.085 mm (0.0033 in) (ISO/IEC 13660:2001(E)) <sup>7</sup>	
	Line accuracy	±0.1% <sup>8</sup>	
	Maximum print speed <sup>9</sup>	15 m/min (50 ft/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		
A0 NTP media (short edge first)	6 pages/min		
A1 NTP media (long edge first)	12 pages/min		
Warm-up time	No warm up, except for natural tracing paper (3 min)		
First page out	28 sec (from Ready mode)		
<b>Media</b>	Media rolls	2 rolls default with auto-switching, expandable to 4 rolls	
	Roll width	279 to 1016 mm (11 to 40 in)	
	Roll length	Up to 200 m (650 ft)	
	Roll diameter	Up to 177 mm (7 in)	
	Roll core diameter	7.6 cm (3 in)	
	Printable width	Up to 1000 mm (39.4 in)	
	Printable length	Up to 200 m (650 ft) for CAD and 30 m (98 ft) for poster <sup>10</sup>	
	Media weight	70 to 200 g/m <sup>2</sup> (19 to 53 lb)	
	Media thickness	Up to 0.4 mm (15.7 mil)	
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek®, matte film, natural tracing papers	
	Media output (standard)	Basket	
	Media output (optional)	High-capacity stacker, online folder, top stacker	
	Maximum page size	102 x 122 cm (40 x 48 in) <sup>12</sup>	
	Capacity	Up to 500 pages	
	Media weight	70 to 200 g/m <sup>2</sup> (19 to 53 lb)	
Dimensions	101 x 125 x 108 cm (55.6 x 49.1 x 42.6 in)		
Weight	140 kg (308 lb)		
<b>Online folder<sup>11</sup></b>	Page width	28 to 91.4 cm (11 to 36 in)	
	Page length	Cross fold: 2.5 m (8.2 ft) Fan fold: 6 m (19.7 ft) (standard), unlimited (optional with HP PageWide XL Folder Upgrade Kit for Long Plots)	
	Media weight for folding	75 to 90 g/m <sup>2</sup> (20 to 24 lb)	
	Media weight for stacking	75 to 200 g/m <sup>2</sup> (20 to 53 lb)	
	Capacity	Up to 150 (A0/E)	
	Dimensions	2100 x 1620 x 1220 mm (82.7 x 63.8 x 48 in)	
	Weight	360 kg (794 lb)	
	Tab Applicator	Available with HP PageWide XL Folder with Tab Applicator only	
	<b>Scanner</b>	Description	91-cm (36-in) CIS scanner
		Speed	Color: up to 7.62 cm/sec (3 in/sec) at 200 dpi Grayscale: up to 25.4 cm/sec (10 in/sec) at 200 dpi
		Optical resolution	1200 dpi
		Scan width	Up to 914 mm (36 in)
		Original thickness	Up to 0.26 mm (0.01 in)
		Maximum copy length	9512 mm (374.5 in)
		Maximum scan length	18 m (708.7 in) (TIFF, 610-mm (24-in) wide original at 200 dpi), 8 m (315 in) (JPEG), 5 m (196.9 in) (PDF)
Scan format		Standard: JPEG, TIFF Optional: 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
		Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade)
<b>Connectivity</b>	Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin	
	Interfaces	TCPIP, 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	203-mm (8-inch) capacitive touchscreen	
	Dimensions (w x d x h)	Printer: 1960 x 800 x 1303 mm (77.2 x 31.5 x 51.3 in) MFP: 1960 x 839 x 1303 mm (76.8 x 33 x 51.3 in) Shipping: 2180 x 1068 x 1764 mm (86.8 x 42.1 x 69.5 in)	

<sup>7</sup> Measured on HP Universal Bond Paper.  
<sup>8</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 HP PageWide XL pigment inks.  
<sup>9</sup> Measured using 91-cm (36-in) print width.  
<sup>10</sup> For longer plots (up to 200 m (656 ft)), image quality might be affected.  
<sup>11</sup> The production stacker and online folder are optional accessories.  
<sup>12</sup> Long plots with reduced capacity.  
<sup>13</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/real](http://hp.com/go/smartstream/real).  
<sup>14</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 [HPLMedia.com](http://HPLMedia.com).  
<sup>15</sup> Can be recycled through commonly available recycling programs.

<b>Weight</b>	Printer	415 kg (915 lb)
	MFP	430 kg (948 lb)
	Shipping printer	521 kg (1149 lb)
	Shipping MFP	546 kg (1204 lb)
	<b>Environmental</b>	Operating temperature
	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	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	2RQ20C 1.2 kW (typical); 2.0 kW (max printing); 108.4 W (ready); <1 W (<4.6 W with embedded Digital Front End) (sleep)
		2RQ09K 0.52 kW (typical); 1.1 kW (max printing); 108.4 W (ready); <1 W (<4.6 W with embedded Digital Front End) (sleep)
	Requirements	2RQ20C Input voltage (auto ranging) 200-240 V (±10%), 50/60 Hz (±3 Hz), 12 A
		2RQ09K Input voltage (auto ranging) 100-127/200-240 V (±10%), 50/60 Hz (±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
<b>Warranty</b>	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>	2RQ20C	HP PageWide XL 5100 40-in Multifunction Printer	
	2RQ09K	HP PageWide XL 5100 40-in Printer	
<b>Accessories</b>	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit	
	CZ318A	HP PageWide XL Drawer	
	CZ319A	HP PageWide XL High-capacity Stacker	
	CZ320A	HP PageWide XL Top Stacker	
	K5H75A	HP PageWide XL Folder	
	L3M58A	HP PageWide XL Folder with Tab Applicator	
	MOV04A	HP PageWide XL Folder Upgrade Kit for Long Plots	
	1EW99A	HP F60 Folder	
	1EX00A	HP F60 Folder with Tab Applicator	
	L3J69A	HP SmartStream Preflight USB	
	L3J69AAE	HP SmartStream Preflight Manager	
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000/5100 Printer series	
	L3J74AAE	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>13</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>	C1Q19A	HP B41 PageWide XL Printhead	
	F9J47A	HP B41 PageWide XL Cleaning Container	
	F9J48A	HP B41 PageWide XL Maintenance Cartridge	
	<b>Original HP PageWide XL ink cartridges</b>	C1Q61A	HP B43B 400-ml Black PageWide XL Ink Cartridge
		C1Q62A	HP B43B 400-ml Cyan PageWide XL Ink Cartridge
		C1Q63A	HP B43B 400-ml Magenta PageWide XL Ink Cartridge
		C1Q64A	HP B43B 400-ml Yellow PageWide XL Ink Cartridge
		F9J72A	HP B47B 400-ml Black PageWide XL Ink Cartridge
		F9J73A	HP B47B 400-ml B1 PageWide XL Ink Cartridge
	F9J74A	HP B47B 400-ml B2 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>  <sup>15</sup> 914 mm x 152.4 mm (36 in x 500 ft)	
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>14</sup>  <sup>15</sup> 1016 mm x 91.4 mm (40 in x 300 ft)	
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>14</sup>  <sup>15</sup> 914 mm x 91.4 mm (36 in x 300 ft)	


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 recycled 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 [HPLMedia.com](http://HPLMedia.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)**

