



HP PageWide XL 5100 Printer series

Instant monochrome and color printing—with up to 30% savings in total production costs¹



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 workflow²
- Start printing in 50% of the time³—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 resistance⁴
- Print on HP and third-party media up to 40 in (101.6 cm)—covering ISO/US technical and offset standards⁵

SAVE

Cut total production costs up to 30%¹

- Print monochrome and color technical documents at the same or lower cost than comparable LED printers⁶
- 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

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

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.

¹ 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.

² 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>.

³ Using HP SmartStream software compared with using equivalent software programs. For testing criteria, see hp.com/go/pagewidexlclaims.

⁴ 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.

⁵ 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.

⁶ 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.

Technical specifications

General	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)) ⁷
	Line accuracy	±0.1% ⁸
Print speed	Maximum print speed ⁹	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)
	Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
	Roll width	279 to 1016 mm (11 to 40 in)
Media	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 ¹⁰
	Media weight	70 to 200 g/m ² (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) ¹²
	Capacity	Up to 500 pages
High-capacity stacker¹¹	Media weight	70 to 200 g/m ² (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)
	Page width	28 to 91.4 cm (11 to 36 in)
	Page length	Cross fold: 2.5 m (8.2 ft)
Online folder¹¹		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 ² (20 to 24 lb)
	Media weight for stacking	75 to 200 g/m ² (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
	Scanner	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
Scanner	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
	Embedded controller	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) 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	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)

⁷ Measured on HP Universal Bond Paper.⁸ ±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.⁹ Measured using 91-cm (36-in) print width.¹⁰ For longer plots (up to 200 m (656 ft)), image quality might be affected.¹¹ The production stacker and online folder are optional accessories.¹² Long plots with reduced capacity.¹³ 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.¹⁴ 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 HPLMedia.com.¹⁵ Can be recycled through commonly available recycling programs.

Weight	Printer	415 kg (915 lb)
	MFP	430 kg (948 lb)
	Shipping printer	521 kg (1149 lb)
	Shipping MFP	546 kg (1204 lb)
Environmental	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
	Sound pressure	56 dB(A) (printing), 35 dB(A) (ready), <16 dB(A) (sleep)
Acoustic	Sound power	7.2 B(A) (printing), 5.2 B(A) (ready), 3.4 B(A) (sleep)
Power	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
Certification	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 WWRoHS 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

Ordering information

Product	2RQ20C	HP PageWide XL 5100 40-in Multifunction Printer
	2RQ09K	HP PageWide XL 5100 40-in Printer
Accessories	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
	M0V04A	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
	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 ¹³
	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
Original HP PageWide XL printheads and consumables	C1Q19A	HP B41 PageWide XL Printhead
	F9J47A	HP B41 PageWide XL Cleaning Container
	F9J48A	HP B41 PageWide XL Maintenance Cartridge
Original HP PageWide XL ink cartridges	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
Original HP large format printing materials	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified) ¹⁴ ♻️ ¹⁵ 914 mm x 152.4 m (36 in x 500 ft)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) ¹⁴ ♻️ ¹⁵ 1016 mm x 91.4 m (40 in x 300 ft)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) ¹⁴ ♻️ ¹⁵ 914 mm x 91.4 m (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/pagewidelxservice.

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.

Find the media solution that fits your business and your HP PageWide XL printer at hp.com/go/mediasolutionslocator.

Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered¹
- Free, convenient HP ink cartridge recycling²
- FSC®-certified papers,³ range of recyclable HP media⁴



- EPEAT registered where applicable and/or supported. See epeat.net for registration status and rating by country.
- Program availability varies. Please check hp.com/recycle for details.
- 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 HPLMedia.com.
- 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



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