HP PageWide XL 5100 40-in Printer (2RQ09A)

Overview

Boost production with instant printing, process efficiencies, and a new technical document standard

Produce monochrome and color prints instantly with speeds up to 20 D/A1 pages/minute. Set a new standard with accuracy, durability, and color and expand into GIS maps and point-of-sale posters. Help keep costs low with efficient and secure workflows.

IMMEDIATE—Get instant monochrome and color prints

Up to 20 D/A1 pages/minute print speed, quick 28-second first page out.

SAVE—Cut total production costs up to 30%[1]

Print monochrome and color technical documents at the same or lower cost than comparable LED printers.[6]

EXPAND—Set the accurate, durable, color standard

Set a new technical document standard with crisp lines, 2-point text, smooth grayscales, and vibrant color.

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[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.

[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.

Specifications

Print quality color (best)	1200 x 1200 dpi
Connectivity, standard	TCP/IP, BootP/DHCP, USB 2.0 host (certified)
ENERGY STAR® certified	Yes
Minimum dimensions (W x D x H)	1960 x 800 x 1303 mm
Minimum dimensions (W x D x H)	77.2 x 31.5 x 51.3 in
Weight	415 kg
Weight	915 lb
Power consumption	0.52 kW (typical); 1.1 kW (max printing); 108.4 W (ready); <1 W (<4.6 W with embedded Digital Front End) (sleep)
Environmental certification	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

Additional specifications

A0/Arch E/ANSI E (short edge first)	11 pages/min, 603 pages/hr
A1/Arch D/ANSI D (long edge first)	20 pages/min, 1100 pages/hr
Accessories	HP F60 Folder 1EW99A; HP F60 Folder with Tab Applicator 1EX00A; HP PageWide XL PostScript/PDF Upgrade Kit CZ317A; HP PageWide XL Drawer CZ318A; HP PageWide XL High-capacity Stacker CZ319A; HP PageWide XL Top Stacker CZ320A; HP SD Pro 44-in Scanner G6H50B; HP HD Pro 42-in Scanner G6H51B; HP PageWide XL Folder K5H75A; HP SmartStream Preflight Manager L3J69AAE; HP SmartStream Preflight Manager One-Year Subscription L3J71AAE; 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 L3J74A; HP SmartStream Document Organizer Module 2NH46AAE; HP SmartStream Pixel Analysis Module 2NH47AAE; HP SmartTracker for HP PageWide XL 5000/5100 Printer series Z8J16AAE; HP SmartTracker USB for HP PageWide XL 5000/5100 Printer series Z8J16A; HP Click USB for HP PageWide XL 5000/5100 Printer series 2UE11A; HP PageWide XL Folder with Tab Applicator L3M58A; HP PageWide XL Folder Upgrade Kit for Long Plots M0V04A; HP PageWide XL Folder with Scandinavian Tab Applicator W9C05A
Acoustic power emissions (active, printing)	7.2 B(A)
Acoustic power emissions (sleep)	<3.4 B(A)
Acoustic power emissions (standby)	5.2 B(A)
Acoustic pressure emissions	56 dB(A)
Acoustic pressure emissions (sleep)	<16 dB(A)
Acoustic pressure emissions (standby)	35 dB(A)
Average printhead life	32 liters
Core size	3 in
Core size	7.6 cm
Description	Large-format color printer
Electromagnetic compatibility	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KC)
First page out	28 sec (from Ready mode)
Guaranteed minimum line width	0.0033 in (ISO/IEC 13660:2001(E))
Guaranteed minimum line width	0.085 mm (ISO/IEC 13660:2001(E))
Guaranteed minimum line width footnote	Measured on HP Universal Bond paper

Guaranteed minimum line width footnote	Measured on HP Universal Bond paper
ISO B0 (short edge first)	8 pages/min
ISO B1 (long edge first)	17 pages/min
Infrastructure management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin
Ink types	Pigment-based (cyan, magenta, yellow, black)
Interface	8-inch (203-mm) capacitive touchscreen
Internal Storage	1 x 128 GB SSD; 1 x 500 GB HDD, self-encrypted with AES-256
Line accuracy	±0.1%
Line accuracy note	±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.
Maximum print area	Up to 1 x 200 m for CAD and 1 x 30 m for poster
Maximum print area	Up to 3.28 x 650 ft for CAD and 3.28 x 98 ft for poster
Maximum print length	Up to 650 ft for CAD and 98 ft for poster
Maximum print length	Up to 200 m for CAD and 30 m for poster
Maximum print speed	50 ft/min *(Measured using 36-in print width)*
Maximum print speed	15 m/min *(Measured using 91-cm print width)*
Media sizes standard (metric rolls)	279 to 1016 mm
Media sizes standard (sheets, rolls)	11 to 40 in
Media thickness	Up to 0.4 mm
Media thickness	Up to 15.7 mil
Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek, matte film
Media weight, supported	70 to 200 g/m²
Media weight, supported	19 to 53 lb
Memory	16 GB DDR3
Number of print cartridges	8 (2 x 400-ml per color) with auto-switch
Operating humidity range	20 to 80% RH, depending on media type
Operating temperature range	41 to 104ºF
Operating temperature range	5 to 40ºC
Optional printer languages	Adobe PostScript 3, Adobe PDF 1.7 (with PS/PDF upgrade)
Package dimensions (W x D x H)	86.8 x 42.1 x 69.5 in
Package dimensions (W x D x H)	2180 x 1068 x 1764 mm
Package weight	521 kg

Package weight	1149 lb
Paper handling output, optional	High-capacity stacker, online folder, top stacker
Paper handling output, standard	Basket
Power	Input voltage (auto ranging) 100-127/200-240 V (±10%), 50/60 Hz (±3 Hz), 12/6.5 A
Print heads	8 x HP 841 PageWide XL Printheads
Print languages	HP-GL/2, TIFF, JPEG
Print technology	HP PageWide Technology
Printable length footnote	For longer plots (up to 656 ft), image quality might be affected
Printable length footnote	For longer plots (up to 200 m), image quality might be affected
Printhead warranty	10 liters or 12 months
Printing path	HP SmartStream software (optional), HP Universal Print Driver (HP-GL/2 and PS), HP PageWide XL print drivers (PDF, HP-GL/2, and PS)
Processor	Intel Core i5
Product logos	Intel Inside CORE i5; Windows 10 Compatible; Mac Universal; Gold IPv6 Ready; Energy Star; EPEAT Silver; Adobe PostScript 3; Adobe PDF Print Engine
Recommended operating temperature range	15 to 35ºC
Recommended operating temperature range	59 to 95ºF
Roll external diameter	Up to 177 mm
Roll external diameter	Up to 7 in
Roll maximum input	2 rolls default with auto-switching, expandable to 4 rolls
Roll maximum output	Up to 200 m
Roll maximum output	Up to 650 ft
Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC)
Supported Primary Applications	Line drawings; Maps; Orthophotos; Posters
Theoretical minimum line width	0.0008 in (HP-GL/2 addressable)
Theoretical minimum line width	0.02 mm (HP-GL/2 addressable)
Warm-up time	No warm up
Web address for additional information	http://www.hp.com/go/pagewidexl5100

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