HP PageWide XL 3950 40-in Multifunction Printer with Top Stacker

Fast, efficient printing experience with the ultimate security[1]



Fast mono and color print, keep cost under control

- Don't waste time waiting on prints—high-productivity monochrome and color speeds up to 10 D pages/min.[2]
- Excellent technical prints with HP PageWide XL pigment inks—vivid color, crisp lines, fine detail beat LED.[3]
- Save with low running costs in mono and color[4] and with up to 10 times lower energy consumption.[5]
- Eco-Carton replaces plastic cartridge—80% reduction in plastic and 66% C02e reduction[6], free take back.[7]

Enhanced print/scan/copy for extreme simplicity

- Easy printing and workflow efficiency with HP Click, HP SmartStream software, HP SmartTracker cost control.
- The market's largest 15-inch touchscreen[8] makes it easy to operate from the front and the back.
- Scan on the fly, gain agile digitalization with live scan preview and contextual post-edit capabilities.
- Easy collaboration—access personal/network group folders at touchscreen; print, save, and share right away.

World class printer protection with HP Wolf Pro Security

- Best network protection with HP Connection Inspector dynamic security, HP Secure Boot, and Whitelisting.[1]
- Keep your fleet secure and set security preferences—any time—with HP Security Manager software.
- Control who accesses the printer and its confidential documents with secure user authentication.

Sustainability in action

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

Messaging Footnotes

[1] Based on comparison of published security specifications commissioned by HP and performed by Sogeti in January, 2024. Comparison of the HP PageWide XL portfolio and competitors that represent the majority market share of LED and UV-gel printers worldwide as of 2023 according to IDC. Comparison matrix and further details available upon request.
[2] The HP PageWide XL 3950 Multifunction Printer delivers 10 CAD output D/A1 prints in 1 minute. Number of pages will vary depending on the print mode and application printed.
[3] Based on testing commissioned by HP and performed by Sogeti in September, 2020. Fine detail based on the number of line breaks found in 1.5 mm of line. On vertical 1 px C,M,Y,K lines. Printed on Oce 75 g plain paper using equivalent fast/high-speed print modes. For output produced with an HP PageWide XL 8200 Printer and comparable printers from different manufacturers and that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC.
[4] Calculation based on total cost of ownership comparison of comparable competitive printer, considering average printhead life. Results show maintenance costs reduced by 50% when printing technical drawings. Analysis period of 5 years and assuming a production of 1000 m²/month with a printing category distribution of: 80% lines, 20% high-density images. Testing commissioned by HP and performed by Sogeti in September, 2020.
[5] Based on tests performed internally by HP based on ISO 20690 and performed in September, 2020. Comparable printers using LED technology based on LED printers capable of printing 4-6 D/A1 pages per minute and which represent the majority market share of mid-volume LED printers in the US and Europe according to IDC as of October, 2020.
[6] Based on 1-liter cartridge, figures might be slightly different for 500-ml cartridge. C02e reduction based on moving from plastic ink cartridge to cardboard HP Eco-Carton ink cartridge, with annual manufacturing savings of 36 tons and transport savings of 1 ton. Equivalent to 147,755 km (91,811 miles) driven by an average passenger vehicle or 4,718,692 million smartphones charged.
[7] Visit https://www.hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.
[8] Based on comparison of published front panel specifications commissioned by HP and performed by Sogeti in September, 2020. Comparison of the HP PageWide XL portfolio and competitors that represent the majority market share of LED and UV-gel printers worldwide as of 2019 according to IDC.

For more information, please visit https://www.hp.com/go/pagewide-xl-3950

AirPrint ENERGY STAR epeat READY Mac Windows 10 Compatible HP WOLF SECURITY

Datasheet

Technical specifications

Print

Description	Large-format color MFP
Warm-up time	No warm up
First page out	22 sec (from USB)
Technical documents (from roll)	Up to 550 ANSI D pages/hr, 10 ANSI D pages/min
Print resolution	1200 x 1200 dpi
Technology	HP PageWide Technology
Ink types	Pigment-based (C, M, Y, K)
Print Cartridges/Bottle, Number	4 (C, M, Y, K)
Print cartridge/bottle volume delivered	500 ml
Printheads	8 (C, M, Y, K)
Average printhead life	32 L
Printhead warranty	12 months from the date of installation, or 10 L, or until the Warranty Ends date printed on the packaging, whichever comes first
Line accuracy	±0.1%[1]
Minimum line width	0.0008 in (HP-GL/2 addressable)

Scan and copy

Linear scan speed	Color: up to 6 in/sec; Grayscale: up to 10 in/sec
Scan resolution	1200 dpi
Scan format	JPEG, TIFF, multi-TIFF, PDF, PDFA, multi-PDF, multi-PDFA
Scan destinations	Printer storage, USB drive, network folder (SMB), My home folder, scan to email, scan to HP SmartStream software
Maximum scan width	Up to 36 in
Maximum scan length	164 ft (PDF), 39 ft (TIFF), 26 ft (JPEG)[2]
Scan features	Live preview, scan quicksets, smart background removal, black enhancement, automatic de-skew, reduce scan speed, post-edit settings (contrast, brightness, rotation, cropping and skew)
Maximum copy length	374.5 in
Technology	36-in (91-cm) CIS scanner
Thickness	0.01 in

Media

Applications	Line drawings; Maps; Orthophotos; Posters
Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
Roll size	11 to 40 in
Roll length	Up to 650 ft
Maximum roll diameter	Up to 7 in
Roll core diameter	3 in
Media weights by paper path	19 to 53 lb
Media Weight Recommended	
Thickness	
Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek papers, matte film
Media output (standard)	Top stacker (up to 100-page capacity)

Embedded controller

User interface	15.6-inch (396-mm) TFT (LED blacklight) 16:9-format HD capacitive touchscreen
Processor	Intel Celeron
Memory	8 GB DDR4
Hard disk	500 GB HDD (AES-256 encrypted)
Native print languages	HP-GL/2, TIFF, JPEG, Adobe PostScript 3, Adobe PDF 1.7
Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin, PrintOS

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T), USB 2.0 host
Printing paths	HP SmartStream software (optional), HP Click printing software, HP PageWide XL print drivers (PDF, HP-GL/2, and PCL3), Apple AirPrint

Dimensions (W x D x H)

Product	77 x 30.9 x 55.7 in
Shipping	88.9 x 40.9 x 62.1 in

Weight

Product	996 lb
Shipping	1368 lb

Environmental ranges

Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH, depending on media type

Acoustics

Sound pressure	Printing: ≤58 dB(A) (operating), ≤36 dB(A) (idle), ≤20 dB(A) (sleep)
Sound power	Printing: ≤7.6 B(A) (operating), ≤5.5 B(A) (idle), ≤3.5 B(A) (sleep)

Power

Consumption	0.27 kW (typical); 0.7 kW (max printing); 95 W (ready); <16 W (sleep)
Requirements	Input voltage (auto ranging) 100-127/200-240 V (±10%), 50/60 Hz (±3 Hz), 7/3.5 A

Certification

Safety	IEC 60950-1+A1+A2 and IEC 62368-1 2nd ed. compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 and 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
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 Registered, UL 2801 ECOLOGO, 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

Ordering information

Product	
86Z37A	HP PageWide XL 3950 40-in Multifunction Printer with Top Stacker
Accessories	
2NH46AAE	HP SmartStream Document Organizer Module
2NH47AAE	HP SmartStream Pixel Analysis Module
6UA02AAE	HP SmartStream Workflow Management Module
8SB02A	HP PageWide XL Drawer
8SW00A	HP SmartStream USB Preflight Manager
8SW00AAE	HP SmartStream Preflight Manager
8SW02A	HP SmartStream Print Controller USB for HP XL 3000 Printer series
8SW02AAE	HP SmartStream Print Controller for HP XL 3000 Printer series
8SW12A	HP SmartTracker USB for HP XL 3000 Printer series
8SW12AAE	HP SmartTracker for HP XL 3000 Printer series
Original HP printing supplies	
3WW73A	HP 874/876 PageWide XL Cleaning Container
3WW99A	HP 841/874/876 PageWide XL Maintenance Cartridge
C1Q19A	HP 841/874 PageWide XL Printhead
F9K38A	HP 863 500-ml Magenta PageWide XL Ink Cartridge
F9K39A	HP 863 500-ml Yellow PageWide XL Ink Cartridge
F9K40A	HP 863 500-ml Cyan PageWide XL Ink Cartridge
F9K41A	HP 863 500-ml Black PageWide XL Ink Cartridge

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

Original HP large format printing materials

HP Universal Bond Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Production Matte Poster Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Production Satin Poster Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[3] (recyclable)[4]
HP Matte Polypropylene, 3-in Core
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

[1] ±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.
[2] Scanned at 200 dpi. PDF scanning available on PostScript models only.
[3] BMG trademark license code FSC®-C115319, see http://www.fsc.org. HP trademark license code FSC®-C017543, see http://www.fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit http://www.HPLFMedia.com.
[4] Can be recycled through commonly available recycling programs.

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