HP DesignJet Z9+ Pro 64-in Printer

Highest professional photo quality at top production speed[1]

*Product image may differ from actual product

EXCEPTIONAL—Unique vibrancy from widest gamut[1]

- Achieves the widest gamut in its category[1] with chromatic RGB HP Vivid Photo Inks.
- Generate custom ICC profiles and achieve colour accuracy, consistency with the embedded spectrophotometer.[2]
- Get smooth gradients and reproduce distinct shades of colour with HP Pixel Control.
- Get superior gloss uniformity using the optional HP Gloss Enhancer Upgrade Kit.[3]

PRODUCTIVE—Produce more with higher speed[4]

- Take more jobs—print up to 18% faster with better quality on satin photo media and 46% faster on canvas.[4]
- Be more efficient—experience the fastest media handling, spindle-less and automatic roll feed.[5]
- Reduce supplies interventions with recyclable 1-liter HP Eco-Carton ink cartridges.[6]
- Increase uptime with universal and user-replaceable HP HDNA printheads, with dual drop weight technology.

SMART—Control print operations with HP PrintOS[7]

- Monitor your performance and make data-driven decisions with HP Print Beat.[7]
- Easily share media presets remotely, gain visibility over operator routines with HP Configuration Center.[7]
- Act fast—receive supplies, system, and connectivity status notifications via the HP PrintOS mobile app.[7]

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] Highest professional photo quality based on widest colour gamut. Testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z9+ Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, comparing gamut volume in CIE Lab units (the higher, the better) printing on HP Premium Instant-dry Satin Photo Paper and Best mode. Test performed under the same conditions in all printers measuring the TC9.18 target with the i1 spectrophotometer from X-rite.
[2] Embedded in the HP DesignJet Z9+ Pro 64-in Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.
[3] Based on testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z9+ Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by comparing the standard deviation of gloss level in GU units at 20° measurement angle (the lower, the better) printing on photo gloss paper and Best mode. HP DesignJet Z9+ Pro 64-in Printer tested with HP Premium Instant-dry Gloss Photo Paper in Best mode and Gloss Enhancer activated. HP Gloss Enhancer can be used on photo paper with the exception of matte-finish papers. Not included, sold separately.
[4] Based on internal HP testing, January 2021 compared to the HP DesignJet Z6810 60-in Production Printer. Using HP Premium Instant-dry Satin Photo Paper in Best mode, the HP DesignJet Z9+ Pro 64-in Printer can achieve speeds of 14.1 m^2/hr compared to the HP DesignJet Z6810 60-in Production Printer that can achieve speeds of 12.0 m^2/hr. Using HP Artist Matte Canvas paper, in Normal mode, the HP DesignJet Z9+ Pro 64-in Printer can achieve speeds of 19 m^2/hr compared to the HP DesignJet Z6810 60-in Production Printer that can achieve speeds of 13 m^2/hr.
[5] Based on testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z9+ Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by loading a 44-in roll of Oce draft paper 75 g/m^2. Measuring time from loading the roll in the "roll holder" until the printer finishes the loading. Test performed under the same conditions in both printers (loading upper/top roll and using default settings for skew and size detection).
[6] The ink cartridge HP Eco-Carton outer carton is 100% recyclable through local cardboard/paper programs. Inner materials including the ink bag are 55% recyclable and can be returned free of charge to the HP Planet Partners program for reprocessing of plastic parts. Zero landfill. For take-back of ink bag/printheads/prints, visit http://www.hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction.
[7] Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see http://www.printos.com .

For more information, please visit http://www.hp.com/go/DesignJet-Z9-Pro

Works with Apple AirPrint

Datasheet

Technical specifications

Print

Print speed	Fast: 98 m²/hr on plain media; Normal: 29 m²/hr on coated media; Best: 14.1 m²/hr on glossy media[1]
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 x 5 mm
Ink types	Pigment-based
Print Cartridges, Number	9 (cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, grey), optional gloss enhancer
Ink drop	7/3 pl dual-drop weight (M, C, PK, CB, G); 6 pl single-drop weight (Y, CR, MK, CG)
Print cartridge volume	1 liter
Printheads	5 universal printheads (valid for all colours)
Printhead nozzles	3136 per colour; 28,224 in total
Line accuracy	±0.1%[2]
Minimum line width	0.02 mm[3]
Color accuracy	Median < 1.6 dE2000, 95% of colours < 2.8 dE2000[4]
Short-term color stability	< 1 dE2000 in less than 5 minutes[5]
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colours < 1.4 dE2000[5]
Max optical density	4 L* min/2.5 D[5]

Media

Applications	Banners; Canvas; Digital fine art; Exhibition and event graphics; Graphics design; Indoor posters; Light boxes - paper; Photos; Point of sale/display; POP/POS
Handling	One automatic roll feed, spindle-less system, optional multifunction roll accessory enabling either automatic second roll feed with smart roll-switching[6] or take-up reel capability, optional standalone take-up reel accessory, media output bin, automatic horizontal cutter (cuts all HP Z-series printer-qualified media, including most canvas)
Maximum media width	1626 mm
Media rolls	2
Roll size	420 to 1626-mm
Maximum roll weight	25 kg
Maximum roll diameter	170 mm
Media Weight Recommended	80 to 500 g/m²
Media thickness (maximum)	Up to 0.6 mm
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit

Embedded controller

Memory	86 GB file processing (based on 4 GB RAM)
Hard disk	500 GB self-encrypting
Native print languages	TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab)
Printing paths	Print drivers, HP Click, printing support for Chrome OS, HP Print Service Plugin for Android, HP Smart app for iOS and Android, HP SmartStream, Apple AirPrint
Drivers	Raster drivers for Windows, raster drivers for macOS; PDF driver for Windows and PostScript driver for macOS with optional PostScript/PDF Upgrade Kit
Security features	HP Secure Boot, Whitelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypted HDD, encrypted PIN printing, unique admin password, HP Connection Inspector

Dimensions (W x D x H)

Product	2605 x 790 x 1402 mm
Shipping	2800 x 750 x 1302 mm

Weight

Product	170 kg
Shipping	264 kg

Included

What's in the box	HP DesignJet Z9+ Pro Printer, printheads, introductory ink cartridges, maintenance cartridge, printer stand and media bin, 3-in core adapter, quick reference guide, setup poster, power cord, user maintenance kit
HP Software and solutions	HP Click printing software, HP PrintOS, HP Partner Link, HP DesignJet Accounting Tool, HP Web Jetadmin, HP SmartStream (optional), HP JetAdvantage Security Manager (optional)

Environmental ranges

Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Storage temperature	-20 to 55°C

Acoustics

Sound pressure	Printing: 52 dB(A) (operating), 25 dB(A) (idle), <20 dB(A) (sleep)
Sound power	Printing: ≤6.9 B(A) (operating), ≤4.3 B(A) (idle), <4.0 B(A) (sleep)

Power

Consumption	150 W (printing); <35 W (ready); <9 W (sleep); <0.3 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 3 A max

Certifications & Compliance

Safety	IEC 60950-1+A1+A2 and IEC 62368-1 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 and 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Argentina (IRAM); Singapore (PSB), 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 (KCC), China (CCC)
Environmental	ENERGY STAR 3.0, WEEE, CE marking compliant, EU RoHS, GREENGUARD Gold[7], China RoHS, REACH, EPEAT
Warranty	One-year limited warranty. Warranty and support options vary by product, country and local legal requirements.
Country of origin	China(B1K); Korea(BCD); Malaysia(ABG, B19, ACJ, BCD, B1K)

Ordering information

Product

2RM82A	HP DesignJet Z9+ Pro 64-in Printer

Accessories

1A4T0A	HP DesignJet Z Pro Series 2/3-in Core Adapter
2NH46AAE	HP SmartStream Document Organizer Module
2NH47AAE	HP SmartStream Pixel Analysis Module
5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
6UA02AAE	HP SmartStream Workflow Management Module
7HC73A	HP DesignJet Z Pro Series 64-in Take-up Reel
7HC74A	HP DesignJet Z Pro Series 64-in Multifunction Roll
7HC75A	HP DesignJet Z9+ Pro Gloss Enhancer Upgrade Kit
7HC76A	HP DesignJet PostScript/PDF Upgrade Kit
8SW00A	HP SmartStream USB Preflight Manager
8SW00AAE	HP SmartStream Preflight Manager
8SW01A	HP SmartStream Print Controller USB for HP DesignJet Printers
8SW01AAE	HP SmartStream Print Controller for HP DesignJet Printers
8SW11A	HP SmartTracker USB for DesignJet
8SW11AAE	HP SmartTracker for DesignJet
G6H50B	HP SD Pro 44-in Scanner
Q6715A	HP DesignJet User Maintenance Kit

Original HP printing supplies

1XB03A	HP 776 1-liter Chromatic Green Ink Cartridge
1XB04A	HP 776 1-liter Chromatic Blue Ink Cartridge
1XB05A	HP 776 1-liter Gray Ink Cartridge
1XB06A	HP 776 500-ml Gloss Enhancer Ink Cartridge
1XB07A	HP 776 1-liter Magenta Ink Cartridge
1XB08A	HP 776 1-liter Yellow Ink Cartridge
1XB09A	HP 776 1-liter Cyan Ink Cartridge
1XB10A	HP 776 1-liter Chromatic Red Ink Cartridge
1XB11A	HP 776 1-liter Photo Black Ink Cartridge
1XB12A	HP 776 1-liter Matte Black Ink Cartridge
3ED19A	HP 777 DesignJet Maintenance Cartridge
3EE09A	HP 777 DesignJet Printhead

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 Instant-dry Satin Photo Paper (FSC® certified)[8] (Recyclable)[9]
HP Artist Matte Canvas
HP Heavyweight Coated Paper (FSC® certified)[8] (Recyclable)[9]
HP Everyday Matte Polypropylene (Recyclable)[9]
HP Premium Matte Photo Paper (FSC® certified)[8] (Recyclable)[9]
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U36Y3E HP 3 year Next Business Day Onsite HW Support with Defective Media Retention
U36Y5E HP 5 year Next Business Day Onsite HW Support with Defective Media Retention
U36Y6PE HP 1 year Post Warranty, Next Business Day HW Support with Defective Media Retention
H4518E HP Network Installation Service for DesignJet High-end and Midrange

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] Maximum rate of output for colour image 100% colour coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
[2] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
[3] Theoretical value based on data resolution.
[4] ICC absolute colourimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[5] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[6] Photo papers are recommended to be used on roll 1 only.
[7] UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit http://www.ul.com/gg or http://www.greenguard.org
[8] 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.
[9] Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.

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