HP DesignJet Z9+ Pro 64-in Printer (2RM82F)

Overview



Highest professional photo quality at top production speed[1]

This printer achieves the widest gamut in its category[1] with chromatic RGB HP Vivid Photo Inks. Take more jobs—print faster with better quality.[4] Monitor your performance and make data-driven decisions with HP Print Beat.[7]

EXCEPTIONAL—Unique vibrancy from widest gamut[1]

Achieves the widest gamut in its category[1] with chromatic RGB HP Vivid Photo Inks.

SMART—Control print operations with HP PrintOS[7]

Monitor your performance and make data-driven decisions with HP Print Beat.[7]

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]

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[1] Highest professional photo quality based on widest color 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.

[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 152 ft²/hr (14.1 m²/hr) compared to the HP DesignJet Z6810 60-in Production Printer that can achieve speeds of 129 ft²/hr (12.0 m²/hr). Using HP Artist Matte Canvas paper, in Normal mode, the HP DesignJet Z9+ Pro 64-in Printer can achieve speeds of 205 ft²/hr (19 m²/hr) compared to the HP DesignJet Z6810 60-in Production Printer that can achieve speeds of 140 ft²/hr (13 m²/hr).

[7] Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see http://www.printos.com .

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab)
Software included	HP Click printing software, HP PrintOS, HP Partner Link, HP DesignJet Accounting Tool, HP Web Jetadmin, HP SmartTracker (optional), HP SmartStream (optional), HP JetAdvantage Security Manager (optional)
Energy star certified	Yes
Minimum dimensions (W x D x H)	2605 x 790 x 1402 mm
Minimum dimensions (W x D x H)	102.6 x 31.1 x 55.2 in
Weight	170 kg
Weight	375 lb
Power consumption	150 W (printing); <35 W (ready); <9 W (sleep); <0.3 W (off)
Environmental certification	ENERGY STAR 3.0, WEEE, EU RoHS, China RoHS, REACH, EPEAT
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
Manufacturer Warranty	One-year limited warranty. Warranty and support options vary by product, country and local legal requirements.

Additional specifications

Acoustic power emissions (active, printing)	≤6.9 B(A) (operating), ≤4.3 B(A) (idle), <4.0 B(A) (sleep)
Acoustic pressure emissions	52 dB(A) (operating), 25 dB(A) (idle), <20 dB(A) (sleep)
Color Stability	< 1 dE2000 in less than 5 minutes[5]
Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[4]
Color(s) of printing supplies	Cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray
Dynamic security	Dynamic security enabled 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 (KCC), China (CCC)
Finished output 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)
Ink drop	7/3 pl dual-drop weight (M, C, PK, CB, G); 6 pl single-drop weight (Y, CR, MK, CG)
Ink types	Pigment-based
Internal Storage	500 GB self-encrypting
Line accuracy	±0.1%[2]
Maximum optical density (black)	4 L* min/2.5 D[5]
Media sizes standard (metric rolls)	420 to 1626-mm
Media sizes standard (sheets, rolls)	16.5 to 64-in
Media thickness	Up to 23.6 mil
Media thickness (metric)	Up to 0.6 mm
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Media weight, recommended	80 to 500 g/m²
Media width, maximum	64 in
Media width, maximum	1626 mm
Memory	86 GB file processing (based on 4 GB RAM)
Model size	1626 mm
Model size	64 in
Non-printable area (roll media)	5 x 5 x 5 x 5 mm
Non-printable area (roll media)	0.2 x 0.2 x 0.2 x 0.2 in
Number of print cartridges	9 (cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray), optional gloss enhancer

Operating humidity range	20 to 80% RH
Operating temperature range	5 to 40°C
Operating temperature range	41 to 104ºF
Optional printer languages	Adobe PostScript 3, Adobe PDF 1.7
Package dimensions (W x D x H)	110.2 x 29.5 x 51.3 in
Package dimensions (W x D x H)	2800 x 750 x 1302 mm
Package weight	582 lb
Package weight	264 kg
Power	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 3 A max
Print Technology	Ink
Print cartridge volume delivered	1 liter
Print head nozzles	3136 per color; 28,224 in total
Print heads	5 universal printheads (valid for all colors)
Print languages	TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[5]
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 speed	Fast: 1055 ft²/hr on plain media; Normal: 312 ft²/hr on coated media; Best: 152 ft²/hr on glossy media[1]
Print technology	HP Thermal Inkjet
Printer drivers included	Raster drivers for Windows, raster drivers for macOS; PDF driver for Windows and PostScript driver for macOS with optional PostScript/PDF Upgrade Kit
Printing path	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
Product logos	Apple AirPrint; ENERGY STAR; EPEAT; Gold IPv6 Ready; HP Pixel Control; i1 Color Technology; Mac; PANTONE* Digital Color; Windows 10 Compatible
Recommended media	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[7] (Recyclable)[8];HP Artist Matte Canvas;HP Heavyweight Coated Paper (FSC® certified)[7] (Recyclable)[8];HP Everyday Matte Polypropylene (Recyclable)[8];HP Premium Matte Photo Paper (FSC® certified)[7] (Recyclable)[8]
Roll external diameter	6.7 in
Roll external diameter	170 mm
Roll maximum input	2
Roll maximum weight	25 kg
Roll maximum weight	55.1 lb
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)

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
Storage temperature range	-4 to 131ºF
Storage temperature range	-20 to 55°C
Supported Primary Applications	Banners; Canvas; Digital fine art; Exhibition and event graphics; Graphics design; Indoor posters; Light boxes - paper; Photos; Point of sale/display; POP/POS
Theoretical minimum line width	0.0008 in[3]
Theoretical minimum line width	0.02 mm[3]
UNSPSC code	43212104
UPC number	(ABG) 195908511649; (ACJ) 195908511656; (B19) 195908511663; (B1K) 195908511670; (BCD) 195908511687
Web address for additional information	http://www.hp.com/go/DesignJet-Z9-Pro

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 775M/776M 1-liter Chromatic Blue Ink Cartridge	3WW86A
HP 775M/776M 1-liter Chromatic Green Ink Cartridge	3WW87A
HP 775M/776M 1-liter Chromatic Red Ink Cartridge	3WW84A
HP 775M/776M 1-liter Cyan Ink Cartridge	3WW81A
HP 775M/776M 1-liter Gray Ink Cartridge	3WW88A
HP 775M/776M 1-liter Magenta Ink Cartridge	3WW82A
HP 775M/776M 1-liter Matte Black Ink Cartridge	3WW85A
HP 775M/776M 1-liter Photo Black Ink Cartridge	3WW80A
HP 775M/776M 1-liter Yellow Ink Cartridge	3WW83A
HP 776 500-ml Gloss Enhancer Ink Cartridge	1XB06A
HP 777 DesignJet Maintenance Cartridge	3ED19A
HP 777 DesignJet Printhead	3EE09A

Accessories

Postscript/PCL5 Emulations

★ : Recommended

Postscript/PCL5 Emulations

HP DesignJet PostScript/PDF Upgrade Kit	7HC76A

Paper Handling

Roll Core Adapters

HP DesignJet Z Pro Series 2/3-in Core Adapter	1A4T0A

Roll Feeds

HP DesignJet Z Pro Series 64-in Multifunction Roll	7HC74A

Take-up Reels

HP DesignJet Z Pro Series 64-in Take-up Reel	7HC73A

Printer Supply Accessories

Ink Upgrade Kits

HP DesignJet Z9+ Pro Gloss Enhancer Upgrade Kit	7HC75A

Scanners

★ : Recommended

Large Format Scanners

HP HD Pro 2 42-in Scanner	5EK00A
HP SD Pro 44-in Scanner	G6H50B

Software

Printing and Imaging Software

★ : Recommended

Printer Management Software

HP SmartStream Document Organizer Module	2NH46AAE
HP SmartStream Pixel Analysis Module	2NH47AAE
HP SmartStream Preflight Manager	8SW00AAE
HP SmartStream Print Controller USB for HP DesignJet Printers	8SW01A
HP SmartStream Print Controller for HP DesignJet Printers	8SW01AAE
HP SmartStream USB Preflight Manager	8SW00A
HP SmartStream Workflow Management Module	6UA02AAE
HP SmartTracker USB for DesignJet	8SW11A
HP SmartTracker for DesignJet	8SW11AAE

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