



# HP DesignJet Z9+ Pro 64-in Printer

Highest professional photo quality at top production speed<sup>1</sup>



## EXCEPTIONAL—Unique vibrancy from widest gamut<sup>1</sup>

- Achieves the widest gamut in its category<sup>1</sup> with chromatic RGB HP Vivid Photo Inks.
- Generate custom ICC profiles and achieve colour accuracy, consistency with the embedded spectrophotometer.<sup>2</sup>
- 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.<sup>3</sup>

## PRODUCTIVE—Produce more with higher speed<sup>4</sup>

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

## SMART—Control print operations with HP PrintOS<sup>7</sup>

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

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

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>

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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<sup>2</sup>/hr compared to the HP DesignJet Z6810 60-in Production Printer that can achieve speeds of 12.0 m<sup>2</sup>/hr. Using HP Artist Matte Canvas paper, in Normal mode, the HP DesignJet Z9+ Pro 64-in Printer can achieve speeds of 19 m<sup>2</sup>/hr compared to the HP DesignJet Z6810 60-in Production Printer that can achieve speeds of 13 m<sup>2</sup>/hr.

<sup>5</sup> 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 Océ draft paper 75g. 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).

<sup>6</sup> 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.

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

Technical specifications

|                                        |                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print                                  |                                                                                                                                                                                                                                                                                                                                                                          |
| Print speed                            | Fast: 98 m²/hr on plain media<br>Normal: 29 m²/hr on coated media<br>Best: 14.1 m²/hr on glossy media¹                                                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                                                                                                                            |
| Ink drop                               | 7/3 pl dual-drop weight (M, C, PK, CB, G); 6 pl single-drop weight (Y, CR, MK, CG)                                                                                                                                                                                                                                                                                       |
| 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 mm³                                                                                                                                                                                                                                                                                                                                                                 |
| Color accuracy                         | Median < 1.6 dE2000, 95% of colours < 2.8 dE2000⁴                                                                                                                                                                                                                                                                                                                        |
| Short-term color stability             | < 1 dE2000 in less than 5 minutes⁵                                                                                                                                                                                                                                                                                                                                       |
| Long-term print-to-print repeatability | Average < 0.5 dE2000, 95% of colours < 1.4 dE2000⁵                                                                                                                                                                                                                                                                                                                       |
| Max optical density                    | 4 L* min/2.5 D⁵                                                                                                                                                                                                                                                                                                                                                          |
| Media                                  |                                                                                                                                                                                                                                                                                                                                                                          |
| Handling                               | Two automatic roll feeds with smart roll-switching⁶, spindle-less system, optional take-up reel functionality, media output bin, automatic horizontal cutter (cuts all HP Z-series printer-qualified media, including most canvases)                                                                                                                                     |
| Roll size                              | 420 to 1626-mm                                                                                                                                                                                                                                                                                                                                                           |
| Grammage                               | 80 to 500 g/m²                                                                                                                                                                                                                                                                                                                                                           |
| Thickness                              | Up to 0.6 mm                                                                                                                                                                                                                                                                                                                                                             |
| Applications                           | Banners; Canvases; Digital fine art; Exhibition and event graphics; Graphics design; Indoor posters; Light boxes - paper; Photos; Point of sale/display; POP/POS                                                                                                                                                                                                         |
| Memory                                 | 4 GB                                                                                                                                                                                                                                                                                                                                                                     |
| Hard disk                              | 500 GB self-encrypting                                                                                                                                                                                                                                                                                                                                                   |
| Connectivity                           |                                                                                                                                                                                                                                                                                                                                                                          |
| Interfaces                             | Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab)                                                                                                                                                                                                                                                                                                                   |
| Native print languages                 | TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL                                                                                                                                                                                                                                                                                                                                     |
| Print languages (optional)             | Adobe PostScript 3, Adobe PDF 1.7                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                           |
| Drivers                                | Raster drivers for Windows, raster drivers for macOS<br>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-IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/2, 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)                 |                                                                                                                                                                                                                                                                                                                                                                          |
| Printer                                | 2605 x 790 x 1402 mm                                                                                                                                                                                                                                                                                                                                                     |
| Shipping                               | 2800 x 750 x 1302 mm                                                                                                                                                                                                                                                                                                                                                     |
| Weight                                 |                                                                                                                                                                                                                                                                                                                                                                          |
| Printer                                | 170 kg                                                                                                                                                                                                                                                                                                                                                                   |
| Shipping                               | 264 kg                                                                                                                                                                                                                                                                                                                                                                   |
| 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 SmartTracker (optional), 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                         | 52 dB(A) (operating), 25 dB(A) (idle), <20 dB(A) (sleep)                                                                                                                                                                                                                                                                                                                 |
| Sound power                            | ≤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                                                                                                                                                                                                                                                                                                |
| Certification                          |                                                                                                                                                                                                                                                                                                                                                                          |
| 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, EU RoHS, China RoHS, REACH, EPEAT                                                                                                                                                                                                                                                                                                                 |
| Warranty                               | One-year limited warranty. Warranty and support options vary by product, country and local legal requirements.                                                                                                                                                                                                                                                           |

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                                     |
| 6UJ02AAE    | 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                                 |

|                               |                                              |
|-------------------------------|----------------------------------------------|
| 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 [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).

|                                             |                                                                                             |
|---------------------------------------------|---------------------------------------------------------------------------------------------|
| Original HP large format printing materials |                                                                                             |
| Q6583A                                      | HP Universal Instant-dry Satin Photo Paper (FSC® certified)⁷ (Recyclable)⁸ 1524 mm x 30.5 m |
| E4J58B                                      | HP Artist Matte Canvas 1524 mm x 15.2 m                                                     |
| C6977C                                      | HP Heavyweight Coated Paper (FSC® certified)⁷ (Recyclable)⁸ 1524 mm x 30.5 m                |
| CG027A                                      | HP Everyday Matte Polypropylene, 2 Pack (Recyclable)⁸ 1524 mm x 30.5 m                      |
| C6460B                                      | HP Premium Matte Photo Paper (FSC® certified)⁷ (Recyclable)⁸ 914 mm x 30.5 m                |

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://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>

ECO highlights

- ENERGY STAR® 3.0 compliant, less energy: EPEAT® certified/environmentally preferred product¹
- Eco-Carton replaces plastic cartridge with 80% reduction in plastic, achieves 66% CO2e reduction²
- Printer made of 30% recycled plastic, using over eight 0.5 L bottles of ocean-bound plastic
- FSC®-certified papers³, range of recyclable HP media with a take-back program⁴

Please recycle printing hardware and eligible printing supplies. Find out how at our website: <http://www.hp.com/ecosolutions>

¹ ENERGY STAR® 3.0 compliant for less energy use. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.  
² CO2e reduction based on moving from plastic ink cartridge to cardboard HP Eco-Carton ink cartridge, with annual manufacturing savings of 15 tons and transport savings of 0.4 tons. Equivalent to 61,498 km driven by an average passenger vehicle or 1,963,996 smartphones charged. Zero landfill HP Eco-Carton provides local outer carton recycling and free take-back of inner ink bag and printheads. 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/printhead/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.  
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.  
⁴ Most HP large format paper-based printing materials can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the free, convenient HP Large Format Media take-back program. Programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

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 23°C, 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 With optional multifunction roll. Photo papers are recommended to be used on roll 1 only.  
⁷ 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.  
⁸ 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.

