HP DesignJet Z6 Pro 64-in Printer

The most precise maps with dual roll productivity[1]

*Product image may differ from actual product

PRECISE—Highest precision and fine line detail[1]

- Rely on clear PDF output—see excellent transparencies and layers reproduction—with Adobe PDF Print Engine.[2]
- Achieve finest details, sharp contour lines and text with high-definition HP HDNA printheads.[1]
- Get smooth gradients and reproduce distinct shades of colour with HP Pixel Control.
- Work with water- and fade-resistant prints with HP Vivid Photo Inks.[3]

PRODUCTIVE—Enhanced efficiency, higher speed[4]

- Save media change time—up to 40%—with dual roll option for two media types/sizes, automatic roll switching.[5]
- Be more efficient—experience the fastest media handling, spindle-less and automatic roll feed.[6]
- Be more productive—print 2X faster on plain paper at the same quality[4] and easily handle production peaks.
- Save time with the world's easiest job submission software—send multiple files to print with HP Click.[7]

SECURE—World-class printer protection with HP Wolf Pro Security[8]

- Safeguard your device from attacks by validating the integrity of your firmware and BIOS with Allowlisting and HP Secure Boot.
- Control who accesses the printer and its confidential documents with secure PIN printing.
- Keep your fleet secure at any time with HP Security Manager.[9]

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 precision based on testing commissioned by HP and performed by Sogeti in March 2021 comparing the HP DesignJet Z6 Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by comparing the minimum distance between two lines necessary to correctly reproduce the lines (the lower the distance, the higher the precision) printing on coated paper and Normal mode. Dual roll option must be purchased separately.
[2] Adobe PostScript®/PDF upgrade kit sold separately. The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 5.5 extends APPE's leading edge for print reproduction with performance efficiencies and breakthrough rendering features. APPE 5.5 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit https://www.adobe.com/products/pdfprintengine.html
[3] Performance may vary based on writing system differences. Print permanence estimates by HP Image Permanence Lab based on the same formulation of HP Vivid Photo Inks used with the HP DesignJet Z6200 Photo Production Printer, using 8 inks. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. For more information, see http://www.HPLFMedia.com/printpermanence .
[4] Faster compared to the HP DesignJet Z6810 60-in Production Printer. Based on internal HP testing, January 2021. Using plain paper and Fast mode, the HP DesignJet Z6 Pro 64-in Printer can achieve speed of 98 m^2/hr at the same quality as the HP DesignJet Z6810 60-in Production Printer using plain paper and Normal mode at speed of 51 m^2/hr.
[5] Up to 40% less time based on internal HP testing in February 2021 compared to HP DesignJet Z6610/Z6810 60-in Production Printers without second roll option. HP DesignJet Z Pro Series 64-in Multifunction Roll sold separately.
[6] Based on testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z6 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).
[7] Based on testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z6 Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by printing 5 A1 PDF GIS files on plain paper and Normal mode using HP Click and Canon Direct Print & Share printing software. Test performed under the same conditions in both printers using equivalent print modes measuring time from "Drag and drop" the files until the last page is ejected by the printer. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files. HP Click is only compatible with Original HP ink supplies.
[8] Based on comparison of published security specifications commissioned by HP and performed by Sogeti in January 2021. Comparison of the HP DesignJet Z6 Pro 64-in Printer and competitors that represent the majority market share worldwide as of 2020 according to IDC. Comparison matrix and further details available upon request.
[9] HP JetAdvantage Security Manager must be purchased separately. For details, see http://www.hp.com/go/securitymanager .

For more information, please visit http://www.hp.com/go/DesignJet-Z6-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/Bottle, Number	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
Print cartridge/bottle volume delivered	500 ml
Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Printheads	3 universal printheads (valid for all colours)
Printhead nozzles	3136 per colour; 18,816 in total
Line accuracy	±0.1%[2]
Minimum line width	0.02 mm[3]
Short-term color stability	< 1 dE2000 in less than 5 minutes[4]
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colours < 1.4 dE2000[4]
Max optical density	4 L* min/2.5 D[4]
Media	
Applications	Exhibition and event graphics; Indoor posters; Line drawings; Maps; Office Graphics; Orthophotos; Photo maps; Presentations; Renderings; Technical presentations
Handling	One automatic roll feed, spindle-less system, optional multifunction roll accessory enabling either automatic second roll feed with smart roll-switching[5] 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)
Rolls	Media rolls: 2; Roll size: 420 to 1626-mm; Maximum roll weight: 25 kg; Maximum roll diameter: 170 mm;
Maximum media width	1626 mm
Media Weight Recommended	80 to 500 g/m²
Thickness	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	169 kg
Shipping	262 kg
Included	
What's in the box	HP DesignJet Z6 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	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
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	
2QU25A	HP DesignJet Z6 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
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	
1XB17A	HP 775 500-ml Cyan Ink Cartridge
1XB18A	HP 775 500-ml Magenta Ink Cartridge
1XB19A	HP 775 500-ml Yellow Ink Cartridge
1XB20A	HP 775 500-ml Chromatic Red Ink Cartridge
1XB21A	HP 775 500-ml Photo Black Ink Cartridge
1XB22A	HP 775 500-ml 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

Q6583A HP Universal Instant-dry Satin Photo Paper (FSC® certified)[6] (Recyclable)[7] 1524 mm x 30.5 m
E4J58B HP Artist Matte Canvas 1524 mm x 15.2 m
C6977C HP Heavyweight Coated Paper (FSC® certified)[6] (Recyclable)[7] 1524 mm x 30.5 m
CH027A HP Everyday Matte Polypropylene, 2 Pack (Recyclable)[7] 1524 mm x 30.5 m
CG460B HP Premium Matte Photo Paper (FSC® certified)[6] (Recyclable)[7] 914 mm x 30.5 m

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U36XME HP 3 year Next Business Day Onsite HW Support with Defective Media Retention
U36XQE HP 5 year Next Business Day Onsite HW Support with Defective Media Retention
U36XRPE 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] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[5] Photo papers are recommended to be used on roll 1 only.
[6] 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.
[7] 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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