



HP DesignJet Z6 Pro 64-in Printer (2QU25A)

Overview



The most precise maps with dual roll productivity[1]

Rely on clear PDF output with the Adobe PDF Print Engine.[2] Save up to 40% time changing media with the dual roll option.[5] And get the best data protection with encrypted communications and Access Control List.[8]

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]

SECURE—World's most secure large-format printer[8]

Get best data protection with encrypted communications and Access Control List.[8]

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]

[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 <http://www.adobe.com/products/pdfprintengine>.

[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 1055 ft²/hr (98 m²/hr) at the same quality as the HP DesignJet Z6810 60-in Production Printer using plain paper and Normal mode at speed of 549 ft²/hr (51 m²/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.

[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.

Specifications

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| 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 | 169 kg |
| Weight | 373 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 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 |
| Manufacturer Warranty | One-year limited warranty. Warranty and support options vary by product, country and local legal requirements. |

Additional specifications

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| 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[4] |
| Color(s) of printing supplies | Cyan, magenta, yellow, matte black, photo black, chromatic red |
| 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 | Two automatic roll feeds with smart roll-switching[5], spindle-less system, optional take-up reel functionality, 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); 6 pl single-drop weight (Y, CR, MK) |
| 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[4] |
| 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/m ² |
| Media width, maximum | 64 in |
| Media width, maximum | 1626 mm |
| Memory | 4 GB |
| Model size | 1626 mm |
| Model size | 64 in |
| Non-printable area (roll media) | 0.2 x 0.2 x 0.2 x 0.2 in |
| Non-printable area (roll media) | 5 x 5 x 5 x 5 mm |
| Number of print cartridges | 6 (cyan, magenta, yellow, matte black, photo black, chromatic red) |
| Operating humidity range | 20 to 80% RH |
| Operating temperature range | 5 to 40°C |

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| Operating temperature range | 41 to 104°F |
| Optional printer languages | Adobe PostScript 3, Adobe PDF 1.7 |
| Package dimensions (W x D x H) | 2800 x 750 x 1302 mm |
| Package dimensions (W x D x H) | 110.2 x 29.5 x 51.3 in |
| Package weight | 262 kg |
| Package weight | 578 lb |
| Power | Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 3 A max |
| Print Technology | Ink |
| Print cartridge volume delivered | 500 ml |
| Print head nozzles | 3136 per color; 18,816 in total |
| Print heads | 3 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[4] |
| Print speed | Fast: 1055 ft ² /hr on plain media; Normal: 312 ft ² /hr on coated media; Best: 152 ft ² /hr on glossy media[1] |
| Print speed | Fast: 98 m ² /hr on plain media; Normal: 29 m ² /hr on coated media; Best: 14.1 m ² /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 |
| Product logos | ENERGY STAR; EPEAT; Gold IPv6 Ready; HP Pixel Control; Mac; PANTONE Digital Color; Windows 10 Compatible |
| Recommended media | Q6583A HP Universal Instant-dry Satin Photo Paper (FSC® certified)[6] (Recyclable)[7] 1524 mm x 30.5 m (60 in x 100 ft);E4J58B HP Artist Matte Canvas 1524 mm x 15.2 m (60 in x 50 ft);C6977C HP Heavyweight Coated Paper (FSC® certified)[6] (Recyclable)[7] 1524 mm x 30.5 m (60 in x 100 ft);CH027A HP Everyday Matte Polypropylene, 2 Pack (Recyclable)[7] 1524 mm x 30.5 m (60 in x 100 ft);CG460B HP Premium Matte Photo Paper (FSC® certified)[6] (Recyclable)[7] 914 mm x 30.5 m (36 in x 100 ft) |
| Roll external diameter | 170 mm |
| Roll external diameter | 6.7 in |
| 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) |

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| 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 131°F |
| Storage temperature range | -20 to 55°C |
| Supported Primary Applications | Exhibition and event graphics; Indoor posters; Line drawings; Maps; Office Graphics; Orthophotos; Photo maps; Presentations; Renderings; Technical presentations |
| Theoretical minimum line width | 0.0008 in[3] |
| Theoretical minimum line width | 0.02 mm[3] |
| UNSPSC code | 43212104 |
| Web address for additional information | http://www.hp.com/go/DesignJet-Z6-Pro |

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

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| HP 775 500-ml Chromatic Red Ink Cartridge | 1XB20A |
| HP 775 500-ml Cyan Ink Cartridge | 1XB17A |
| HP 775 500-ml Magenta Ink Cartridge | 1XB18A |
| HP 775 500-ml Matte Black Ink Cartridge | 1XB22A |
| HP 775 500-ml Photo Black Ink Cartridge | 1XB21A |
| HP 775 500-ml Yellow Ink Cartridge | 1XB19A |
| 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

Scanners

★ : Recommended

Large Format Scanners

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

Printing and Imaging Software

★ : Recommended

Printer Management Software

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| 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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