Data sheet

HP DesignJet Z6610 Production Printer

The fastest graphics production printing solution

1 Compared with large-format inkjet printers under $25,000 USD for graphics applications. Based on the fastest-rated color speeds as published by manufacturers as of June, 2017. Test methods vary.

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 6 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. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see HPLFMedia.com/printpermanence.

Using glossy paper and Normal mode, the HP DesignJet Z6610 Production Printer can achieve print speeds up to 212 ft²/hr. Using plain paper and Normal mode, the HP DesignJet Z6610 Production Printer can achieve speeds up to 548 ft²/hr.

Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

SHARP—High-quality, durable output

• Achieve high impact and clear readability from line drawings to posters, with optimized printheads.
• Maintain high quality with optimized maintenance routines.
• Work without concern for damage with water-/fade-resistant prints by HP Vivid Photo Inks. ²

PRODUCTIVE—Handle production peaks

• Manage high workloads with print speeds up to 212 ft²/hr on glossy and 548 ft²/hr on plain paper.³
• Handle more jobs with 500 GB hard disk capacity.
• Complete job after job with long media rolls, 775-ml HP ink cartridges, and a built-in take-up reel.

RELIABLE—Fits your current workflow

• Seamlessly integrate with the market-leading software.
• Improve operator efficiency with HP SmartStream job preparation and processing software.
• Enjoy one-click printing with HP Click printing software.⁴

For more information, please visit hp.com/go/DesignJetZ6610

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: hp.com/go/learnaboutsupplies

¹ Using glossy paper and Normal mode, the HP DesignJet Z6610 Production Printer can achieve print speeds up to 212 ft²/hr. Using plain paper and Normal mode, the HP DesignJet Z6610 Production Printer can achieve speeds up to 548 ft²/hr.
² Compared with large-format inkjet printers under $25,000 USD for graphics applications. Based on the fastest-rated color speeds as published by manufacturers as of June, 2017. Test methods vary.
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 6 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. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see HPLFMedia.com/printpermanence.
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Technical specifications

Print
- Max print size: 150 ft²/hr (140 m²/hr) on plain media
- Color images: Normal: 1.5 min/page on A1/D or up to 283 ft²/hr (263 m²/hr) on coated media
- Black: 3.2 min/page on A1/D or up to 141 ft²/hr (131.1 m²/hr) on glossy media
- Print resolution: up to 2800 x 1200 optimized dpi

Technology
- Technology: HP Thermal Inkjet

Paper
- Maximum paper size: 44 x 60 in (1120 x 1524 mm)
- Printheads: 6 (cyan, magenta, yellow, light gray, matte black, photo black)

Image quality
- Short term color stability: < 1 day, 2000 hours
- Long term print-to-print repeatability: Average: 0.5% at 2000 hours, 95% of colors < 1.25% after 2000 hours
- Maximum optical density: 4.51 L* (2.31 D3)

Media
- Handling: all feed, automatic horizontal cutter, take-up reel
- Roll size: 11 to 66 in (289 to 1676 mm)
- Weight: up to 450 g/m²
- Thickness: up to 22 mil (Up to 0.6 mm)

Applications
- Exhibition and event graphics, Graphic design, Indoor posters, Layouts and comps, Light presentations

Memory
- Memory: 1 GB virtual, 500 GB hard disk

Connectivity
- Interface: Gigabit Ethernet (10/100/1000Base-T), EIO Jetdirect accessory slot
- Print languages (standard): HP-GL2, HP-RTL, CALS-G4
- Print languages (optional): Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG

Drivers
- Drivers: Raster drivers for Windows and macOS with optional PostScript/PDF Upgrade Kit

Security features
- SNMPv3, Control Panel lock levels, Certificates management, IPSec, SSL, File secure file, Secure disk erase

Dimensions (w x d x h)
- Shipping: 95.7 x 27.2 x 53.9 in (2430 x 690 x 1370 mm)
- Shipping: 485 lb (220 kg)

What's in the box
- HP DesignJet Z6610 Production Printer, spindle, printheads, introductory ink cartridges, maintenance supplies, ink cartridges and ink cartridges and printheads, automatic horizontal cutter, take-up reel

Service included
- Printer drivers, HP Click, HP Applications Center HP DesignJet utility including HP Color Center

Environmental ranges
- Operating temperature: 41 to 104°F (5 to 40°C)
- Operating humidity: 20 to 80% RH

Acoustic
- Sound pressure: 53 dBA (printing), 39 dBA (ready), 39 dBA (sleep)
- Sound power: 7.0 BtA (printing), 5.5 BtA (ready), 5.5 BtA (sleep)

Power
- Consumption: 270 watts (printing), < 48 watts (ready), < 53 watts (sleep), < 0.3 watts (Off)

Requirements
- Input voltage: auto ranging: 100-127 V (±10%), 5 A; 220-240 V (±10%), 4 A

Certification
- USA and Canada (FSC certified): EU and EN 60950–1 compliant; Russia (GOST); Singapore (PSB); China (CC); Argentina (BRAM); Mexico (NYCE); Korea (KCC)

Electromagnetic
- Compliant with Class A requirements, including: USA (FCC), Canada (IC), EU (EMC Directive), Australian ACMA, New Zealand (RM), China (CQC), Japan (VCCI), Korea (MSP)

Warranty
- One-year limited hardware warranty

Ordering information

Product: Z2U13A | HP DesignJet Z6610 Production Printer

Accessories
- B2H51B | HP ProPS 64-in Scanner
- CQ733B | HP DesignJet PostScript/PDF Upgrade Kit
- CD744A | HP DesignJet 60-in Spindle
- JB524A | HP DesignJet 64-in Printer Stand
- Q6714A | HP DesignJet 60-in Media Bin
- Q6715A | HP DesignJet User Maintenance Kit

Original HP printheads
- P2Q99A | HP Magenta/Gray DesignJet Printhead
- P2W00A | HP Photo Black/Gray DesignJet Printhead
- P2W01A | HP Matte Black DesignJet Printhead

Original HP ink cartridges and maintenance supplies
- CQ712A | HP 774 775-ml Matte Black DesignJet Ink Cartridge
- CQ712A | HP 774 775-ml Matte DesignJet Ink Cartridge
- CQ722A | HP 774 775-ml Cyan DesignJet Ink Cartridge
- CQ722A | HP 774 775-ml Light Cyan DesignJet Ink Cartridge
- CQ718A | HP 774 775-ml Matte DesignJet Ink Cartridge
- CQ718A | HP 774 775-ml Light Gray DesignJet Ink Cartridge
- B6Y75A | HP 774 775-ml Matte DesignJet Ink Cartridge
- B6Y75A | HP 774 775-ml Light Gray DesignJet Ink Cartridge
- B6X1A | HP 774 775-ml Photo Black DesignJet Ink Cartridge
- B6X2A | HP 774 775-ml Matte DesignJet Ink Cartridge
- B6X3A | HP 774 775-ml Light Gray DesignJet Ink Cartridge
- B6X4A | HP 774 775-ml Matte DesignJet Ink Cartridge
- B6X4A | HP 774 775-ml Light Gray DesignJet Ink Cartridge
- C644A | HP 771 DesignJet Maintenance Cartridge

Original HP large format printing materials
- B7Q01A | HP Premium Instant-dry Satin Photo Paper (FSC certified) 140 g/m² (360 g/m²) 10 in × 100 ft (254 mm × 30.5 m)
- B7Q06A | HP Universal Instant-dry Glossy Photo Paper (FSC certified) 163 g/m² (480 g/m²) 10 in × 100 ft (254 mm × 30.5 m)
- E4199A | HP Artist Matte Canvas 60 in × 50 ft (1524 mm × 15.2 m)
- B8750A | HP Premium Value Value Black Backlit Film 140 g/m² (360 g/m²) 10 in × 100 ft (254 mm × 30.5 m)

Service and support
- U9ZK8E | HP 3-year Next Business Day Plus Defective Media Retention Support
- U9ZK3E | HP 3-year Next Business Day Plus Defective Media Retention Support
- U9ZK4E | HP 3-year Next Business Day Plus Defective Media Retention Support
- U9ZK5PE | HP 2-year Post Warranty, Next Business Day Plus Defective Media Retention Support
- N9SBE | HP Installation Service with Network Setup

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

Eco Highlights
- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling
- FSC*-certified papers, range of recyclable HP media with a take-back program
- ENERGY STAR® qualified. Registered EPEAT Bronze for environmentally preferable product

For more information, visit hp.com/go/EcoSolutions.

Service provided: Support Services offer solutions for business critical environments — installation, extended support and maintenance, as well as specially certified services.

Use HP Vivid Photo Ink and printheads to experience consistent high-quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance. For more information, visit hp.com/go/OriginalHPinks.

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