



HP Designjet Z6100 Printer Series

Overview

Offering an unbeatable combination of speed, image quality and color consistency, the new HP Designjet Z6100 Printer series is ideal for print service providers (PSPs) and technical customers looking to reduce their turnarounds and produce high-impact prints with vivid color and CAD and GIS applications with crisp lines.

The HP Designjet Z6100 Printer series can produce any number of impressive applications, including photo and fine art pieces, exhibition graphics, point-of-purchase displays, drawings, maps, presentations and renders as well as short-term outdoor signage. With an industry-leading combination of image quality and productivity, the HP Designjet Z6100 Printer series enables PSPs and GIS, CAD and AEC customers to increase their print capacity while producing high-impact prints with outstanding quality and breakthrough consistency and predictable color.

Available in 42- and 60-inch models, the HP Designjet Z6100 delivers prints with amazing speeds over 1,000 ft²/hr and features new HP Double Swath Technology for HP Designjets. In addition, the first-ever Optical Media Advance Sensor improves paper-advance control, so the printer can run longer at higher speeds and across various environmental conditions without sacrificing image quality.

Utilizing HP Vivera pigment inks, the 8-ink HP Designjet Z6100 printing system delivers vivid, water-resistant, exceptionally fade-resistant prints, including high-impact indoor retail signage, museum-quality fine art photos and clean, crisp line drawings. Interior display prints produced on a range of HP media resist fading for over 1 year un laminated and over 3 years laminated, while interior displays, away from direct sunlight, prints resist fading over 200 years.⁽¹⁾

With a wide color gamut and the ability to print on more than 50 Original HP media substrates, digital print shops and sign shops can expand their service offerings with this versatile printing system. New media can also easily be added with the HP Color Center by creating custom ICC profiles.

Featuring HP DreamColor Technologies, the HP Designjet Z6100 offers breakthrough color consistency with an embedded spectrophotometer designed with Eye-One Color Technology from X-rite. The embedded spectrophotometer enables PSPs to achieve consistent, accurate color printer to printer every time, regardless of time and changing environmental conditions.

Key features and benefits

- The HP Designjet Z6100 Printer series offers a leading combination of image quality

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and speed – printing over 1,000 ft²/hr (92 m²/hr) on plain paper and over 250 ft²/hr (23.2 m²/hr) on glossy photo paper

- Optimized for high-volume, unattended printing – New HP Optical Media Advance Sensor reduces banding at high print speeds; longer roll support (up to 575 ft/175 m) and high-capacity 775-ml Original HP ink cartridges enables longer unattended runs
- Features HP DreamColor Technologies with the industry's only built-in spectrophotometer with GretagMacbeth/X-rite Eye-One Color Technology to intuitively ensure consistent, accurate colors from print to print and printer to printer regardless of environmental conditions and across a wide range of media
- Eight HP Viverna pigment inks, including the HP Three-black ink set of matte black, photo black, and light gray inks, produce a wide color gamut and true neutral grays for outstanding image quality and detail
- Prints produced on a range of HP media resist fading for over 1 year un laminated and over 3 years laminated when displayed in or near a window. During interior display conditions away from direct sunlight, prints resist fading for over 200 years⁽¹⁾
- The new HP 91 Printheads deliver a high firing frequency and small drop sizes (4 and 6 pl) for excellent transitions, low grain and finer lines (0.067 mm minimum line width)
- The broad portfolio of Original HP media offers creative and technical professionals more than 50 media substrates, including photo, fine art, proofing, bond and coated paper, as well as canvas, vinyl, scrim and banner media options
- HP Color Center effortlessly guides users through color management and printing; intuitive instructions enable easy ICC profile creation and installation
- The HP Designjet Z6100 Printer series is PC and Mac compatible⁽²⁾

Services and support

There are two options available for purchase to help you get your printer up and running in minimum time:

- Installation Services (H7604A/E)
- Installation Services with Network Configuration Services (H4518A/E)

Both services include the installation of the printer driver for either PC or Mac. For more information, please visit www.hp.com/hps/carepack.

Technical specifications

- Image quality:
 - Color accuracy: median <1.6 dE2000, 95 percent of colors < 2.8 dE2000⁽³⁾
 - Short term color stability: <1 dE2000, in less than 5 minutes⁽⁴⁾
 - Long term print-to-print repeatability: Average 0.5 dE2000, 95 percent of color <1.4 dE2000⁽⁵⁾
 - Maximum optical density: 4 L* /2.4D⁽⁵⁾

- Print speeds:
 - Maximum print speed: 1134 ft²/hr (105.4 m²/hr) on plain paper
 - Fast mode: 720 ft²/hr (66.9 m²/hr) on coated paper; 252 ft²/hr (23.4 m²/hr) on glossy paper
 - Best mode: 147 ft²/hr (13.7 m²/hr) on coated paper; 98 ft²/hr (9.1 m²/hr) on glossy paper
- Maximum print resolution: 2400 x 1200 optimized dpi
- 8-ink printing with HP 91 775-ml ink cartridges with HP Vivera pigment inks: cyan, magenta, yellow, light cyan, light magenta, light gray, matte black, photo black
- Standard Connectivity: Gigabit Ethernet, 1 EIO Jetdirect accessory slot, IPv6 support

Accessories

- HP Designjet 42-inch Scanner (Q1277A)
- HP Designjet Z6100 42-in Take-up Reel (Q6706A)
- HP Designjet Z6100 42-in Spindle (Q6707A)
- HP Designjet Z6100 60-in Spindle (Q6708A)
- HP Designjet Z6100 60-in Media Bin (Q6714A)
- HP Advanced Profiling Solution International (Q6695A)
- HP Advanced Profiling Solution Asia Pacific (Q6701A)
- HP Designjet 256 MB Memory Upgrade (Q5673A)
- HP Jetdirect 630n IPv6 Gigabit Print Server (J7997G)
- HP Jetdirect 635n IPv6/IPsec Print Server (J7961G)
- HP Designjet High Speed USB 2.0 Card (Q5680A)

Supported Original HP printing supplies

Single Original HP ink cartridges

- HP 91 775-ml Matte Black Ink Cartridge with HP Vivera Pigment Ink (C9464A)
- HP 91 775-ml Photo Black Ink Cartridge with HP Vivera Pigment Ink (C9465A)
- HP 91 775-ml Light Gray Ink Cartridge with HP Vivera Pigment Ink (C9466A)
- HP 91 775-ml Cyan Ink Cartridge with HP Vivera Pigment Ink (C9467A)
- HP 91 775-ml Magenta Ink Cartridge with HP Vivera Pigment Ink (C9468A)
- HP 91 775-ml Yellow Ink Cartridge with HP Vivera Pigment Ink (C9469A)
- HP 91 775-ml Light Cyan Ink Cartridge with HP Vivera Pigment Ink (C9470A)
- HP 91 775-ml Light Magenta Ink Cartridge with HP Vivera Pigment Ink (C9471A)

Original HP 3-ink cartridges multipacks

- HP 91 775-ml 3-ink Matte Black Cartridges Multipack with HP Vivera Pigment Ink

(C9480A)

- HP 91 775-ml 3-ink Photo Black Cartridges Multipack with HP Vivera Pigment Ink (C9481A)
- HP 91 775-ml 3-ink Light Gray Cartridges Multipack with HP Vivera Pigment Ink (C9482A)
- HP 91 775-ml 3-ink Cyan Cartridges Multipack with HP Vivera Pigment Ink (C9483A)
- HP 91 775-ml 3-ink Magenta Cartridges Multipack with HP Vivera Pigment Ink (C9484A)
- HP 91 775-ml 3-ink Yellow Cartridges Multipack with HP Vivera Pigment Ink (C9485A)
- HP 91 775-ml 3-ink Light Cyan Cartridges Multipack with HP Vivera Pigment Ink (C9486A)
- HP 91 775-ml 3-ink Light Magenta Cartridges Multipack with HP Vivera Pigment Ink (C9487A)

Original HP printheads

- HP 91 Matte Black and Cyan Printhead (C9460A)
- HP 91 Magenta & Yellow Printhead (C9461A)
- HP 91 Light Magenta & Light Cyan Printhead (C9462A)
- HP 91 Photo Black and Light Gray Printhead (C9463A)

Original HP maintenance cartridge

- HP 91 Maintenance Cartridge (C9518A)

Media

- Bond and coated paper (bond, bright white bond, coated, heavyweight coated, super heavyweight coated, colored)
- Technical paper (natural tracing, translucent, vellum)
- Film (clear, matte, polyester white matte)
- Photographic paper (gloss, semigloss, satin, RC matte)
- Proofing paper (high-gloss, semi-gloss, matte)
- Backlit
- Self-adhesive (indoor paper, polypropylene, vinyl)
- Banner and sign (display film, banner, polypropylene, scrim, Tyvek, outdoor paper, billboard paper blue back)
- Fabric (flag fabric, polyester, silk satin)
- Fine art printing material (satin canvas, matte canvas, canvas paper, aquarella, watercolor, smooth, textured, litho-realistic)

To find a media compatible with the HP Designjet Z6100 Printer series, please check www.designjet.hp.com/supplies.

Additional information

More information about HP's Graphic Arts portfolio is available at www.hp.com/go/graphicarts.

Pricing and availability⁽⁶⁾

Model	Estimated U.S. MSRP
HP Designjet Z6100 42"	\$9,995
HP Designjet Z6100 60"	\$15,995
HP Designjet Z6100ps 42"	\$12,495
HP Designjet Z6100ps 60"	\$18,500

The HP Designjet Z6100 Printer series is expected to be available June 2007.

⁽¹⁾ Display permanence ratings: Water resistance and interior in-window display ratings by HP Image Permanence Lab on a range of HP media. HP interior in-window predictions based on test data under Xenon-Arc illuminant—for fine arts and photo papers data collected by Q-Lab Corp; for sign and banner media based on test data for similar ink/media combinations; calculation assumes 6,000 Lux/12 hr day. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media. For details:

www.hp.com/go/supplies/printpermanence.

⁽²⁾ For list of all compatible operating systems, please refer to product data sheet.

⁽³⁾ ICC absolute colorimetric accuracy on HP Proofing Matte.

⁽⁴⁾ With HP Premium Instant Dry Photo Satin media right after calibration.

⁽⁵⁾ With HP Premium Instant Dry Photo Gloss media.

⁽⁶⁾ Actual prices may vary.

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