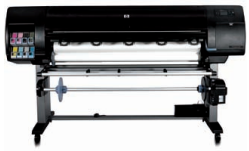
HP Designjet Z6100 Photo Printer series

Count on this HP large-format Designjet to deliver up to 105.4 m² of output per hour, enduring photo quality with 8 HP Vivera pigment inks, and outstanding colour consistency with an embedded spectrophotometer[1].

HP Designjet Z6100
1067 mm Photo Printer

HP Designjet Z6100
1524 mm Photo Printer

HP Designjet Z6100ps
1067 mm Photo Printer



HP Designjet Z6100ps
1524 mm Photo Printer

Ideal for print service providers, photo production labs as well as architectural, engineering and GIS firms looking to reduce their turnaround time and produce high-impact, high-quality indoor applications with accurate, repeatable and long-lasting colour, including in-store graphics, photo/fine art prints, drawings, maps and renders.

Shorten your turnaround times and see productivity soar with very fast print speeds.
Easily print up to 105.4 m² per hour with the fastest large-format printer in its class[2]. Get twice the performance (compared to HP Designjet 5500 Printer series) in any print mode with HP Double Swath Technology, as 8 HP printheads provide a wider print swath up to 4.57 cm and a high firing frequency. Print at top speeds and still get great output results with the first-ever Optical Media Advance Sensor. Print long runs unattended or overnight, with media support up to 175.26 metres.

Get vivid, high-impact prints and exceptional fade resistance with HP Vivera pigment inks.
Get a wide colour gamut, outstanding image quality and fine detail with 8 HP Vivera pigment inks, including the HP Three-black ink set: matte black, photo black and light grey which produce smooth, subtle transitions, true grey neutrality, and rich black density. Create long-lasting prints on a wide range of HP media which are water resistant, and resist fading for over 1 year unlaminated, over 3 years laminated when displayed in or near a window and over 200 years[3] away from direct sunlight.

Enjoy outstanding colour accuracy and consistency across prints, time and environmental conditions.
Get consistent colours with the embedded spectrophotometer[4], even when you split print runs between HP Designjet Z6100 printers or reprint jobs over time, regardless of fluctuating environmental conditions. Get ultimate colour accuracy on any paper - HP's embedded spectrophotometer[4] lets you create custom ICC profiles in a fully automated way and ensures precise printer calibration at any time. Upgrade to HP's Advanced Profiling Solution and extend the range of ICC profiling features.

1 With i1 colour technology.

2 Compared to large-format inkjet printers under €20,000
Based on the fastest rated colour speeds published by manufacturers as of Jan 07
Test methods vary

3 Rating for interior displays/away from direct sunlight by HP Image Permanence Lab and Wilhelm Imaging Research, Inc on a range of HP media
Water resistance and interior in-window display ratings by HP Image Permanence Lab on a range of HP media
For details: www.hp.com/go/supplies/printpermanence

4 With i1 colour technology.

Series at a glance

HP Designjet Z6100 1067 mm Photo Printer (Q6651A)

- Base printer with 1067 mm media width
- print speed of 105.4 m² per hour

HP Designjet Z6100 1524 mm Photo Printer (Q6652A)

- Base printer with 1524 mm media width
- print speed of 105.4 m² per hour

HP Designjet Z6100ps 1067 mm Photo Printer (Q6653A)

- Base printer with 1067 mm media width
- print speed of 105.4 m² per hour
- plus an embedded Adobe PostScript 3 and PDF RIP and convenient in-printer file storage and reprint.

HP Designjet Z6100ps 1524 mm Photo Printer (Q6654A)

- Base printer with 1524 mm media width
- print speed of 105.4 m² per hour
- plus an embedded Adobe PostScript 3 and PDF RIP and convenient in-printer file storage and reprint.

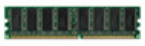
Recommended accessories

Q6706A
HP Designjet Z6100 1067 mm Take-Up Reel

Q6695A
HP Advanced Profiling Solution

Q6708A
HP Designjet 60-in/1524 mm Roll Feed Spindle

Q6707A
HP Designjet 42-in/1067 mm Roll Feed Spindle



Q5673A
HP Designjet 256 MB Memory Upgrade

Q6714A
HP Designjet 60-in/1524 mm Media Bin

Q5680A
HP Designjet High Speed USB 2.0 Card

Top 3 Accessories description

HP Designjet Z6100 1067 mm Take-Up Reel (Q6706A)
Do you have more to print than you can keep up with? Extend your printer's periods of continuous, unattended printing. This take-up reel re-rolls printed media, allowing for long print runs—even overnight—& printing on media up to 175 m long. With this take-up reel, busy printing professionals can make the most of their time and improve productivity by printing continuous, unattended runs. The reel supports face-in and face-out winding.

HP Advanced Profiling Solution (Q6695A)
Profile and calibrate your entire colour management system. HP Advanced Profiling Solution works with printer's embedded spectrophotometer to simply and accurately profile any media of your choice. Included Eye-One screen calibrator calibrates your display. This solution allows you to create new and edit existing ICC profiles. You'll have more control of the variables as you generate custom profiles in different colour spaces with more colour targets for different illuminates.

HP Designjet 60-in/1524 mm Roll Feed Spindle (Q6708A)
Keep busy printing professionals productive with this timesaving media spindle. Rely on it to easily switch between media rolls and to maintain printer production. Devote time where it is needed most—on your projects and client's jobs. This accessory supports media rolls that let you print longer without having to reload paper—even overnight. Print unattended output and focus on more critical tasks.

Ordering information

HP Designjet Z6100 1067 mm Photo Printer (Q6651A)
HP Designjet Z6100 1067 mm Printer, printheads (4 x 2 colours), ink cartridges (8 x 775 ml), maintenance cartridge, HP Heavyweight Coated Paper sample roll (1.06 m x 7.62 m), stand & basket (1.06 m), maintenance kit, 7.62 cm spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord

HP Designjet Z6100 1524 mm Photo Printer (Q6652A)
HP Designjet Z6100 1524mm Printer, printheads (4 x 2 colours), ink cartridges (8 x 775 ml), maintenance cartridge, HP Heavyweight Coated Paper sample roll (1.06 m x 7.62 m), stand (1.52 m), take-up reel (1.52 m), maintenance kit, 7.62 cm spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord

HP Designjet Z6100ps 1067 mm Photo Printer (Q6653A)
HP Designjet Z6100ps 1067 mm Printer, embedded Adobe Postcript 3 & PDF RIP, printheads (4 x 2 colours), ink cartridges (8 x 775 ml), maintenance cartridge, HP Heavyweight Coated Paper sample roll (1.06 m x 7.62 m), stand & basket (1.06 m), maintenance kit, 7.62 cm spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord

HP Designjet Z6100ps 1524 mm Photo Printer (Q6654A)
HP Designjet Z6100ps 1524 mm Printer, embedded Adobe Postcript 3 & PDF RIP, printheads (4 x 2 colours), ink cartridges (8 x 775 ml), maintenance cartridge, HP Heavyweight Coated Paper sample roll (1.06 m x 7.62 m), stand & basket (1.06 m), maintenance kit, 7.62 cm spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord

Accessories, Supplies and Support

Accessories

Q6706A	HP Designjet Z6100 1067 mm Take-Up Reel
Q6695A	HP Advanced Profiling Solution
Q6708A	HP Designjet 60-in/1524 mm Roll Feed Spindle
Q6707A	HP Designjet 42-in/1067 mm Roll Feed Spindle
Q5673A	HP Designjet 256 MB Memory Upgrade
Q6714A	HP Designjet 60-in/1524 mm Media Bin
Q5680A	HP Designjet High Speed USB 2.0 Card

Supplies

C9464A	HP 91 775 ml Matte Black Ink Cartridge with Vivera Ink
C9465A	HP 91 775 ml Photo Black Ink Cartridge with Vivera Ink
C9466A	HP 91 775 ml Light Grey Ink Cartridge with Vivera Ink
C9467A	HP 91 775 ml Cyan Ink Cartridge with Vivera Ink
C9468A	HP 91 775 ml Magenta Ink Cartridge with Vivera Ink
C9469A	HP 91 775 ml Yellow Ink Cartridge with Vivera Ink
C9470A	HP 91 775 ml Light Cyan Ink Cartridge with Vivera Ink
C9471A	HP 91 775 ml Light Magenta Ink Cartridge with Vivera Ink

Media supplies

Q8000A	HP Premium Instant-dry Satin Photo Paper 260g/m²-60"/1524 mm x 30.5 m
Q8754A	HP Universal Instant-dry Gloss Photo Paper 190 g/m²-42"/1067 mm x 61 m
Q8840A	HP Professional Satin Photo Paper 300 g/m²-44"/1118 mm x 15.2 m
Q8750A	HP Premium Vivid Color Backlit Film 285 g/m²-60"/1524 mm x 30.5 m
Q8835A	HP Self-adhesive Gloss Polypropylene 120 g/m²-42"/1067 mm x 22.9 m

Service & support

H5504A/E HP Care Pack, Next Business Day On Site, 3 years (1067 mm model)
UG731A/E HP Care Pack, Next Business Day On Site, 3 years (1524 mm model)

For a complete list of supplies, accessories and services, please refer to http://www.hp.com

invent

Technical specifications

Print technology	HP Thermal Inkjet
Printhead nozzles	2 colours per printhead, 2 printheads per colour, 1056 nozzles per colour, 16896 total nozzles
Print quality	Up to 2400 x 1200 optimised dpi
Number of inks	Cyan, light cyan, magenta, light magenta, yellow, light grey, photo black, matte black
Ink types	HP Vivera pigment inks
Ink drop size	4 pl (lc, lm, lg, pK), 6 pl (C, M, Y, mK)
Lightfastness	Interior display - in-window 1+ years unlaminated, 3+ years laminated; 200+ years away from direct sun under glass. Display permanence rating (glass-protected) by Wilhelm Imaging Research, Inc. and/or HP Image Permanence Lab on a range of HP creative and specialty media. For details, see www.hp.com/go/supplies/printpermanence
Print speed	Economic quality: Dj Z6100 1067mm: 60.8 m²/hr (coated); Dj Z6100 1524 mm: 66.9 m²/hr (coated); Dj Z6100ps 1067 mm: 60.8 m²/hr (coated); Dj Z6100ps 1524 mm: 66.9 m²/hr (coated). Productivity quality: Dj Z6100 1067mm: 14.9 m²/hr (coated), 11.5 m²/hr (glossy); Dj Z6100 1524 mm: 16.1 m²/hr (coated), 12.8 m²/hr (glossy); Dj Z6100ps 1067 mm: 14.9 m²/hr (coated), 11.5 m²/hr (glossy); Dj Z6100ps 1524 mm: 16.1 m²/hr (coated), 12.8 m²/hr (glossy); . Photo quality: Dj Z6100 1067mm: 8.1 m²/hr (glossy); Dj Z6100 1524 mm: 9.1 m²/hr (glossy); Dj Z6100ps 1067 mm: 8.1 m²/hr (glossy); Dj Z6100ps 1524 mm: 9.1 m²/hr (glossy)
Line	Line accuracy: +/- 0.1%. Minimum width: 0.07 mm
Print languages	Dj Z6100 1067mm: HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4; Dj Z6100 1524 mm: HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4; Dj Z6100ps 1067 mm: Adobe® PostScript® Level 3, Adobe® PDF 1.6, HP-GL/2, HP-RTL,TIFF, JPEG, CALS G4; Dj Z6100ps 1524 mm: Adobe® PostScript® Level 3, Adobe® PDF 1.6, HP-GL/2, HP-RTL,TIFF, JPEG, CALS G4
Memory	Standard : Dj Z6100 1067mm: 256 MB; Dj Z6100 1524 mm: 512 MB; Dj Z6100ps 1067 mm: 256 MB; Dj Z6100ps 1524 mm: 512 MB; maximum : 512 MB; upgradability : Expandable to 512 MB through a 256 MB Designjet-qualified DIMM
Print margins (mm)	**Roll** top: 5 mm bottom: 5 mm left: 5 mm right: 5 mm
Media types	Bond and coated paper (bond, bright white bond, coated, heavy coated, super heavy coated), technical paper (natural tracing, translucent, vellum), film (clear, matte, polyester white matte), photo (gloss, semi-gloss, satin, RC matte), proofing (high-gloss, semi-gloss, matte), backlit, self-adhesive (polypropylene, vinyl), banner and sign (display film, banner, polypropylene, scrim, Tyvek, outdoor paper, billboard paper blue back), fabric (flag fabric, fabric viscose, cotton matte, polyester, silk satin), fine art printing material (canvas, aquarella, watercolour, smooth, textured, litho-realistic)
Media sizes	Custom: Dj Z6100 1067mm: Roll widths: 610 to 1066 mm; roll lengths: 10 to 175 m depending on media types; Dj Z6100 1524 mm: Roll widths: 610 to 1524 mm; roll lengths: 10 to 175 m depending on media types; Dj Z6100ps 1067 mm: Roll widths: 610 to 1066 mm; roll lengths: 10 to 175 m depending on media types; Dj Z6100ps 1524 mm: Roll widths: 610 to 1524 mm; roll lengths: 10 to 175 m depending on media types
Maximum media length	Roll: 175 m
Maximum media width	Dj Z6100 1067mm: 1067 mm; Dj Z6100 1524 mm: 1524 mm; Dj Z6100ps 1067 mm: 1067 mm; Dj Z6100ps 1524 mm: 1524 mm
Maximum print length	175 m
Media thickness	Up to 0.56 mm
Recommended media weight	Up to 430 g/m2 depending on media type
Roll	Maximum diameter: 170 mm
Interface and connectivity	Standard: 1 EIO slot, Gigabit Ethernet. Optional: HP Designjet Hi-Speed USB card (compatible with USB 2.0 specifications), compatible HP Jetdirect LAN cards
Control panel	Illuminated, graphical LCD display area; 8 front-panel buttons (Back, Cancel, Down arrow, Form Feed and Cut, Power, Reset, Select, Up arrow); 2 LEDs (Power, Status); On/Off buzzer
Drivers included	Dj Z6100 1067mm: HP-GL/2, HP-RTL Windows® drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix® MetaFrame environments; Dj Z6100 1524 mm: HP-GL/2, HP-RTL Windows® drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix® MetaFrame environments; Dj Z6100ps 1067 mm: HP-GL/2, HP-RTL Windows® drivers, PS Windows® drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix® MetaFrame environments, PS driver for Mac OS X v10.2.8, 10.3, 10.4; Dj Z6100ps 1524 mm: HP-GL/2, HP-RTL Windows® drivers, PS Windows® drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix® MetaFrame environments, PS driver for Mac OS X v10.2.8, 10.3, 10.4
Software	HP Designjet Software for Windows® and Macintosh
Operating systems compatibility	Windows® NT 4.0; Windows® NT 4.0 Server; Windows® 98 SE; Windows® 2000; Windows® Me; Windows® XP Home; Windows® XP Professional; Windows® Server 2003; Windows Vista™ Ready; Mac OS X v10.2.8; Mac OS 10.3; Mac OS X v10.4. Latest driver upgrade information available on http://www.designjet.hp.com
Network operating systems compatibility	Windows® NT 4.0; Windows® NT 4.0 Server; Windows® 2000; Windows® XP Professional; Windows® Server 2003; Windows Vista™ Ready; Mac OS X v10.2.8; Mac OS 10.3; Mac OS X v10.4. Citrix® MetaFrame
Minimum system requirements	Windows® 2000, 2003 Server: Pentium® II 300 MHz, 128 MB RAM, 400 MB available hard disk space; Windows® XP: Pentium® III 733 MHz, 128 MB RAM, 400 MB available hard disk space
Recommended system requirements	Microsoft® Windows® 2000, XP Home, XP Professional: Pentium® IV, 3 GHz, 1 GB RAM, 2 GB available hard disk. Mac OS X v10.2.8, 10.3, 10.4: 1 GHz PowerPC G4, 256 MB, 512 MB available hard disk space
Power	Requirements: Input voltage: 100 to 127 VAC (+/- 10%), 4 amp; 220 to 240 VAC (+/- 10%), 2 amp; 50/60 Hz (+/- 3 Hz); voltage autorange. Supply: Built-in universal power supply. Consumption: 350 watts maximum
Dimensions (w x d x h)	Out of package: Dj Z6100 1067mm: 1970 x 700 x 1350 mm; Dj Z6100 1524 mm: 2450 x 700 x 1350 mm; Dj Z6100ps 1067 mm: 1970 x 700 x 1350 mm; Dj Z6100ps 1524 mm: 2450 x 700 x 1350 mm. Packaged: Dj Z6100 1067mm: 2260 x 750 x 1216 mm; Dj Z6100 1524 mm: 2725 x 750 x 1361 mm; Dj Z6100ps 1067 mm: 2260 x 750 x 1216 mm; Dj Z6100ps 1524 mm: 2725 x 750 x 1361 mm
Weight	Out of package: Dj Z6100 1067mm: 87 kg; Dj Z6100 1524 mm: 110 kg; Dj Z6100ps 1067 mm: 87 kg; Dj Z6100ps 1524 mm: 110 kg. Packaged: Dj Z6100 1067mm: 195 kg; Dj Z6100 1524 mm: 256 kg; Dj Z6100ps 1067 mm: 195 kg; Dj Z6100ps 1524 mm: 256 kg
Operating environment	Operating temperature: 5 to 40° C. Recommended operating temperature: 15 to 35° C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 20 to 80% RH. Storage temperature: -25 to 55° C. Storage humidity: 20 to 80% RH. Noise level per ISO 9296: sound power: LwAd 6.8 B(A). Sound pressure: LpAm 51 dB(A)
Certifications	Compliant with Class A requirements, including USA (FCC rules), Canada (DoC), EU (EMC Directive), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC), Taiwan (BSMI). Regulatory standards: USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE)
Warranty	One-year hardware warranty

http://www.hp.com/uk http://www.hp.com/go/designjet

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