

# HP Designjet Z6 100 Photo Printer series



Count on this HP large-format Designjet to deliver up to 105.4 m<sup>2</sup> of output per hour, enduring photo quality with 8 HP Vivera pigment inks, and outstanding colour consistency with an embedded spectrophotometer<sup>1</sup>.



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 m<sup>2</sup> per hour with the fastest large-format printer in its class<sup>2</sup>. 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 un laminated, over 3 years laminated when displayed in or near a window and over 200 years<sup>3</sup> away from direct sunlight.

**Enjoy outstanding colour accuracy and consistency across prints, time and environmental conditions.**

Get consistent colours with the embedded spectrophotometer<sup>4</sup>, 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<sup>4</sup> 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.

<sup>1</sup> With i1 colour technology.

<sup>2</sup> 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

<sup>3</sup> 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](http://www.hp.com/go/supplies/printpermanence)

<sup>4</sup> 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 m<sup>2</sup> per hour



### HP Designjet Z6100 1524 mm Photo Printer (Q6652A)

- Base printer with 1524 mm media width
- print speed of 105.4 m<sup>2</sup> per hour



### HP Designjet Z6100ps 1067 mm Photo Printer (Q6653A)

- Base printer with 1067 mm media width
- print speed of 105.4 m<sup>2</sup> 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 m<sup>2</sup> 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



J7997G  
HP Jetdirect 630n Internal Print Server

## 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—and 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 Postscript 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 Postscript 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

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

### Supplies

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

### Media supplies

<b>Q8000A</b>	HP Premium Instant-dry Satin Photo Paper 260g/m <sup>2</sup> -60"/1524 mm x 30.5 m
<b>Q8754A</b>	HP Universal Instant-dry Gloss Photo Paper 190 g/m <sup>2</sup> -42"/1067 mm x 61 m
<b>Q8840A</b>	HP Professional Satin Photo Paper 300 g/m <sup>2</sup> -44"/1118 mm x 15.2 m
<b>Q8750A</b>	HP Premium Vivid Color Backlit Film 285 g/m <sup>2</sup> -60"/1524 mm x 30.5 m
<b>Q8835A</b>	HP Self-adhesive Gloss Polypropylene 180 g/m <sup>2</sup> -42"/1067 mm x 22.9 m

### Connectivity

<b>J7997G</b>	HP Jetdirect 630n Internal Print Server
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### Service & support

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

## Technical specifications

<b>Print technology</b>	HP Thermal Inkjet										
<b>Printhead nozzles</b>	2 colours per printhead, 2 printheads per colour, 1056 nozzles per colour, 16896 total nozzles										
<b>Print quality</b>	Up to 2400 x 1200 optimised dpi										
<b>Number of inks</b>	Cyan, light cyan, magenta, light magenta, yellow, light grey, photo black, matte black										
<b>Ink types</b>	HP Vivera pigment inks										
<b>Ink drop size</b>	4 pl (lc, lm, lg, pk), 6 pl (C, M, Y, mK)										
<b>Lightfastness</b>	Interior display - in-window 1+ years unlaminate, 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 <a href="http://www.hp.com/go/supplies/printpermanence">www.hp.com/go/supplies/printpermanence</a>										
<b>Print speed</b>	Economic quality: Dj Z6100 1067mm: 60.8 m <sup>2</sup> /hr (coated); Dj Z6100 1524 mm: 66.9 m <sup>2</sup> /hr (coated); Dj Z6100ps 1067 mm: 60.8 m <sup>2</sup> /hr (coated); Dj Z6100ps 1524 mm: 66.9 m <sup>2</sup> /hr (coated). Productivity quality: Dj Z6100 1067mm: 14.9 m <sup>2</sup> /hr (coated), 11.5 m <sup>2</sup> /hr (glossy); Dj Z6100 1524 mm: 16.1 m <sup>2</sup> /hr (coated), 12.8 m <sup>2</sup> /hr (glossy); Dj Z6100ps 1067 mm: 14.9 m <sup>2</sup> /hr (coated), 11.5 m <sup>2</sup> /hr (glossy); Dj Z6100ps 1524 mm: 16.1 m <sup>2</sup> /hr (coated), 12.8 m <sup>2</sup> /hr (glossy); . Photo quality: Dj Z6100 1067mm: 8.1 m <sup>2</sup> /hr (glossy); Dj Z6100 1524 mm: 9.1 m <sup>2</sup> /hr (glossy); Dj Z6100ps 1067 mm: 8.1 m <sup>2</sup> /hr (glossy); Dj Z6100ps 1524 mm: 9.1 m <sup>2</sup> /hr (glossy)										
<b>Line</b>	Line accuracy: +/- 0.1%. Minimum width: 0.07 mm										
<b>Print languages</b>	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										
<b>Memory</b>	Standard : 256 MB; maximum : 512 MB; upgradability : Expandable to 512 MB through a 256 MB Designjet-qualified DIMM. Hard disk : Standard, 40 GB										
<b>Print margins (mm)</b>	<table border="1"> <tr> <td></td> <td><b>Roll</b></td> </tr> <tr> <td>top:</td> <td>5 mm</td> </tr> <tr> <td>bottom:</td> <td>5 mm</td> </tr> <tr> <td>left:</td> <td>5 mm</td> </tr> <tr> <td>right:</td> <td>5 mm</td> </tr> </table>		<b>Roll</b>	top:	5 mm	bottom:	5 mm	left:	5 mm	right:	5 mm
	<b>Roll</b>										
top:	5 mm										
bottom:	5 mm										
left:	5 mm										
right:	5 mm										
<b>Media types</b>	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)										
<b>Media sizes</b>	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										
<b>Maximum media length</b>	Roll: 175 m										
<b>Maximum media width</b>	Dj Z6100 1067mm: 1067 mm; Dj Z6100 1524 mm: 1524 mm; Dj Z6100ps 1067 mm: 1067 mm; Dj Z6100ps 1524 mm: 1524 mm										
<b>Maximum print length</b>	175 m										
<b>Media thickness</b>	Up to 0.56 mm										
<b>Recommended media weight</b>	Up to 430 g/m <sup>2</sup> depending on media type										
<b>Roll</b>	Maximum diameter: 170 mm										
<b>Interface and connectivity</b>	Standard: 1 EIO slot, Gigabit Ethernet. Optional: HP Designjet Hi-Speed USB card (compatible with USB 2.0 specifications), compatible HP Jetdirect LAN cards										
<b>Control panel</b>	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										
<b>Drivers included</b>	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										
<b>Software</b>	HP Designjet Software for Windows® and Macintosh										
<b>Operating systems compatibility</b>	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 <a href="http://www.designjet.hp.com">http://www.designjet.hp.com</a>										
<b>Network operating systems compatibility</b>	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										
<b>Minimum system requirements</b>	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										
<b>Recommended system requirements</b>	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										
<b>Power</b>	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										
<b>Dimensions (w x d x h)</b>	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										
<b>Weight</b>	Out of package: Dj Z6100 1067mm: 119 kg; Dj Z6100 1524 mm: 151 kg; Dj Z6100ps 1067 mm: 119 kg; Dj Z6100ps 1524 mm: 151 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										
<b>Operating environment</b>	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)										
<b>Certifications</b>	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). ENERGY STAR: Yes										
<b>Warranty</b>	One-year hardware warranty										

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



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