

HP Designjet Z6 100 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 spectrophotometer¹.



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 this ultra-fast large-format printer. 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 years² away from direct sunlight.

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

Get consistent colours with the embedded spectrophotometer³, 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 spectrophotometer⁴ 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 Solution⁴ and extend the range of ICC profiling features.

¹ With i1 colour technology.

² 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

³ With i1 colour technology

⁴ Non-Adobe PostScript printers require the HP Advanced Profiling Solution or a third party RIP that supports media profiling.

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



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), introductory ink cartridges (x8), maintenance cartridge, spindle, 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), introductory ink cartridges (x8), maintenance cartridge, spindle, 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), introductory ink cartridges (x8), maintenance cartridge, spindle, 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), introductory ink cartridges (x8), maintenance cartridge, spindle, 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/m ² -60"/1524 mm x 30.5 m
Q8754A	HP Universal Instant-dry Gloss Photo Paper 190 g/m ² -42"/1067 mm x 61 m
Q8840A	HP Professional Satin Photo Paper 300 g/m ² -44"/1118 mm x 15.2 m
Q8750A	HP Premium Vivid Color Backlit Film 285 g/m ² -60"/1524 mm x 30.5 m
Q8835A	HP Self-adhesive Gloss Polypropylene 180 g/m ² -42"/1067 mm x 22.9 m

Connectivity

J7997G	HP Jetdirect 630n Internal Print Server
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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>



Technical specifications

Print technology	HP Thermal Inkjet										
Printhead nozzles	2112										
Print quality	Up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected and HP Premium Instant-dry Gloss Photo Paper										
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 (l, lm, lg, pK), 6 pl (C, M, Y, mK)										
Lightfastness	Interior display - in-window 1+ years unlaminate, 3+ years laminate; 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 m ² /hr (coated); Dj Z6100 1524 mm: 66.9 m ² /hr (coated); Dj Z6100ps 1067 mm: 60.8 m ² /hr (coated); Dj Z6100ps 1524 mm: 66.9 m ² /hr (coated). Productivity quality: Dj Z6100 1067mm: 14.9 m ² /hr (coated), 11.5 m ² /hr (glossy); Dj Z6100 1524 mm: 16.1 m ² /hr (coated), 12.8 m ² /hr (glossy); Dj Z6100ps 1067 mm: 14.9 m ² /hr (coated), 11.5 m ² /hr (glossy); Dj Z6100ps 1524 mm: 16.1 m ² /hr (coated), 12.8 m ² /hr (glossy); . Photo quality: Dj Z6100 1067mm: 8.1 m ² /hr (glossy); Dj Z6100 1524 mm: 9.1 m ² /hr (glossy); Dj Z6100ps 1067 mm: 8.1 m ² /hr (glossy); Dj Z6100ps 1524 mm: 9.1 m ² /hr (glossy)										
Line	Line accuracy: +/- 0.1% of the specified vector length or +/- H50.1 mm (whichever greater). 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 : 256 MB; maximum : 512 MB; upgradability : Expandable to 512 MB through a 256 MB Designjet-qualified DIMM . Hard disk : Standard, 40 GB										
Print margins (mm)	<table border="1"> <thead> <tr> <th></th> <th>Roll</th> </tr> </thead> <tbody> <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> </tbody> </table>		Roll	top:	5 mm	bottom:	5 mm	left:	5 mm	right:	5 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/m ² 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, Optimised Windows® driver for AutoCAD 2000 and higher, support for Citrix MetaFrame environments; Dj Z6100 1524 mm: HP-GL/2, HP-RTL Windows® drivers, Optimised Windows® driver for AutoCAD 2000 and higher, support for Citrix MetaFrame environments; Dj Z6100ps 1067 mm: HP-GL/2, HP-RTL Windows® drivers, PS Windows® drivers, Optimised Windows® driver for AutoCAD 2000 and higher, support for Citrix MetaFrame environments, PS driver for Mac OS X v 10.2.8, 10.3, 10.4; Dj Z6100ps 1524 mm: HP-GL/2, HP-RTL Windows® drivers, PS Windows® drivers, Optimised Windows® driver for AutoCAD 2000 and higher, support for Citrix MetaFrame environments, PS driver for Mac OS X v 10.2.8, 10.3, 10.4										
Software	HP Designjet Software for Windows® and Macintosh										
Operating systems compatibility	Microsoft® Windows® 2000, XP Home, XP Professional, 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	Microsoft® Windows® 2000, XP Professional, 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	Microsoft® 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. Mac OS X v 10.2.8, 10.3, 10.4; G3; 128 MB RAM; 256 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, 23 watts power save (73 watts with embedded Digital Front End), 0.4 watts off										
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: 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										
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). ENERGY STAR: Yes										
Warranty	One-year hardware warranty										

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



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