

HP Designjet Z3100ps GP Photo printers



See exquisite quality using the new HP 12-ink Designjet with HP Vivera pigment inks and the first-ever embedded spectrophotometer with Eye-One colour technology. Get breakthrough screen-to-print colour accuracy across a variety of papers.



HP Designjet Z3100ps
GP 610 mm Photo Printer



HP Designjet Z3100ps
GP 1118 mm Photo
Printer

Ideal for graphic designers, fine artists and commercial photographers who need to create professional concept and contract proofs with accurate and consistent colours as well as digital art.

No limits: produce exquisite fade-resistant colour prints with 12 HP Vivera pigment inks.

Get water and fade resistant prints that last for up to 200 years². The HP quad-black inks: matte black, photo black, grey, and light grey deliver true grey neutrality, smooth tonal transitions and outstanding optical density. Enjoy a large colour gamut with new red, green and blue inks. Have over 80% PANTONE® colours covered³. Get superior gloss uniformity and eliminate bronzing with HP gloss enhancer⁴. Enjoy support for Postscript and PDF files with an embedded Adobe PS/PDF RIP.

HP's first-ever embedded spectrophotometer¹ delivers unrivalled colour accuracy and consistency.

Get screen-to-print colour accuracy on any paper - HP's first-ever embedded spectrophotometer with Eye-One colour technology enables the printer to generate custom ICC profiles in less than 20 minutes. Complete coverage of SWOP, ISO, EUROSCALE and FOGRA gamuts for colour accuracy. Expect predictable, consistent colour from print to print, thanks to precise colour calibration and HP's Advanced Profiling Solution. Create pre-press emulations from the PS driver with the embedded Adobe PS/PDF RIP.

Get the results you expect every time you print with HP preview and printhead technologies.

Save time and money with HP's advanced preview technologies, which help eliminate trial and error by letting you preview layout, size and position of your print on your paper. The HP Color Center tool guides you through colour management and printing. Save time and maintain your Designjet with HP Easy Printer Care Software: monitor printer and supplies status, get desktop alerts and automatic updates. Expect the best possible image quality with long-lasting printheads that are easy to replace.

¹ With Eye-One colour technology

² Based on internal HP light-fade testing on a range of HP media
Confirmation tests in progress at Wilhelm Imaging Research, Inc
See <http://www.hp.com/go/supplies/printpermanence>

³ HP's preliminary, internal results have shown successful simulation of over 80% of PANTONE® colours
HP Designjet Z3100 Photo Printer Series is pending PANTONE-licensing

⁴ Bronzing is eliminated as an image-quality issue when HP gloss enhancer is used on photo paper.

Series at a glance



HP Designjet Z3100ps GP 610 mm Photo Printer (Q5670A)

- Base model with 610 mm media width
- An embedded Adobe PS/PDF RIP and HP Advanced Profiling Solution included in-box.



HP Designjet Z3100ps GP 1118 mm Photo Printer (Q6660A)

- Base model with 1118 mm media width
- An embedded Adobe PS/PDF RIP and HP Advanced Profiling Solution included in-box.

Recommended accessories



Q6692B
HP-GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series*



Q6643D
Efi Designer 5.1 for HP XL



Q6695A
HP Advanced Profiling Solution*



Q6698A
HP Designjet Zx100 44 inch Spindle for Technical



Q6699A
HP Designjet Zx100 44 inch Spindle for Graphics



Q6700A
HP Designjet Zx100/T1100/T610 610 mm Spindle

Top 3 Accessories description



HP-GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series (Q6692B)*

Improve line quality and reduce network traffic with the HP-GL/2 Upgrade Kit. The printer – rather than your computer – processes CAD files for improved operating efficiency. Store and reprint files from the printer queue and print legacy HP-GL/2 (PLT) files. This upgrade kit allows your HP Designjet to quickly offload complex files from your computer and network, reducing network traffic and improving operating efficiency.

*Included with printer



Efi Designer 5.1 for HP XL (Q6643D)

The Efi Designer Edition 5.1 for HP is the recommended RIP for concept proofing applications produced on HP Designjet printers. It offers a powerful, yet cost-effective digital proofing system that allows full control over digital proofing needs to speed up workflows, saving both time and money. Together, Efi and HP enable creative professionals to easily generate proof-quality prints with sharp detail, colour accuracy and smooth tonal transitions.



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.

Ordering information



HP Designjet Z3100ps GP 610 mm Photo Printer (Q5670A)

HP Designjet Z3100ps 610 mm Photo Printer, spindle, printheads (4 x 2 colours), ink cartridges (12 x 69 ml), media high gloss photo sample roll (610 mm x 4.5 m), stand (610 mm), rear tray (610 mm), Adaptor Kit (7.62 mm) for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Advanced Profiling Solution.



HP Designjet Z3100ps GP 1118 mm Photo Printer (Q6660A)

HP Designjet Z3100ps GP 1118 mm Photo Printer, spindle, technical spindle, printheads (4 x 2 colours), ink cartridges (12 x 130 ml), media high gloss photo sample roll (914 mm x 4.5 m), stand (44"), rear tray (44"), Adaptor Kit (7.62 mm) for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Advanced Profiling Solution.

Accessories, Supplies and Support

Accessories

Q6643D	Efi Designer 5.1 for HP XL
Q6698A	HP Designjet Zx100 44 inch Spindle for Technical
Q6699A	HP Designjet Zx100 44 inch Spindle for Graphics
Q6700A	HP Designjet Zx100/T1100/T610 610 mm Spindle

Supplies

C9390A	HP 70 130 ml Light Cyan Ink Cartridge with Vivera Ink
C9448A	HP 70 130 ml Matte Black Ink Cartridge with Vivera Ink
C9449A	HP 70 130 ml Photo Black Ink Cartridge with Vivera Ink
C9450A	HP 70 130 ml Grey Ink Cartridge with Vivera Ink
C9451A	HP 70 130 ml Light Grey Ink Cartridge with Vivera Ink
C9453A	HP 70 130 ml Magenta Ink Cartridge with Vivera Ink
C9454A	HP 70 130 ml Yellow Ink Cartridge with Vivera Ink
C9455A	HP 70 130 ml Light Magenta Ink Cartridge with Vivera Ink
C9456A	HP 70 130 ml Red Ink Cartridge with Vivera Ink
C9457A	HP 70 130 ml Green Ink Cartridge with Vivera Ink
C9458A	HP 70 130 ml Blue Ink Cartridge with Vivera Ink
C9459A	HP 70 130 ml Gloss Enhancer Ink Cartridge

Service & support

UF035A/E	HP Care Pack, Next Business Day On Site, 3 years
UF036A/E	HP Care Pack, Next Business Day On Site, 4 years
UF037A/E	HP Care Pack, Next Business Day On Site, 5 years
UF038A/E	HP Care Pack, 4 hour 9x5 Same Business Day On Site, 3 years
UF039A/E	HP Care Pack, 4 hour 9x5 Same Business Day On Site, 4 years
UF040A/E	HP Care Pack, 4 hour 9x5 Same Business Day On Site, 5 years
UF041A/E	HP Care Pack, 4 hour 13x5 Same Business Day On Site, 3 years
UF042A/E	HP Care Pack, 4 hour 13x5 Same Business Day On Site, 4 years
UF043A/E	HP Care Pack, 4 hour 13x5 Same Business Day On Site, 5 years
UF045PA/PE	HP Care Pack, 4 hour 13x5 Post Warranty, Same Business Day On Site, 1 year
UF046PA/PE	HP Care Pack, Post Warranty, Next Business Day On Site, 1 year
H4518E	HP Care Pack, Installation & Network Configuration

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

Technical specifications

Print technology	HP Scalable Printing Technology	
Printhead nozzles	12672 (1056 nozzles per colour)	
Print quality	Up to 2400 x 1200 optimised dpi from 1200 x 1200 input dpi with maximum detail selected	
Number of inks	Light Cyan, Magenta, Light Magenta, Yellow, Red, Green, Blue, Light Grey, Grey, Photo Black, Matte Black, Gloss Enhancer	
Ink types	HP Vivera pigment inks	
Ink drop size	4 pl (Lc, Lm, lg, pK, E, G), 6 pl (M, Y, mK, R, GN, B)	
Lightfastness	Approximately 200 years. Based on internal HP light-fade testing on HP Super Heavyweight Plus Matte Paper, HP Hahnemühle Smooth Fine Art Paper, HP Hahnemühle Watercolour Paper, HP Artist Matte Canvas. Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media. For details refer to http://www.hp.com/go/supplies/printpermanence .	
Print speed	Economic quality: A1 colour image: 2.0 min/page (coated), 5.8 min/page (glossy). Productivity quality: A1 colour image: 4.2 min/page (coated), 7.9 min/page (glossy). Photo quality: A1 colour image: 9.8 min/page (coated), 15.0 min/page (glossy)	
Line	Line accuracy: +/- 0.2%. Minimum width: 0.0508 mm	
Print languages	DJ Z3100ps GP 610 mm: Adobe® PostScript®, Adobe® PDF 1.6, HP-GL2/RTL, CALS-G4, TIFF, JPEG, HP-PCL3GUI; DJ Z3100ps GP 1118 mm: Adobe® PostScript®, Adobe® PDF 1.6, HP-GL2/RTL, CALS-G4, TIFF, JPEG, HP-PCL3GUI; Optional: DJ Z3100ps GP 610 mm: None; DJ Z3100ps GP 1118 mm: None	
Memory	Standard : DJ Z3100ps GP 610 mm: 256 MB; DJ Z3100ps GP 1118 mm: 256 MB; maximum : DJ Z3100ps GP 610 mm: 256 MB; DJ Z3100ps GP 1118 mm: 256 MB	
Print margins (mm)	Roll	Sheet
	top:	5 mm or borderless
	bottom:	5 mm or borderless
	left:	5 mm or borderless
	right:	5 mm or borderless
Media types	Sheet feed, roll feed, automatic cutter (cuts all media except canvas) Photographic paper (satin, gloss, semi-gloss, matte), proofing paper (high-gloss, semi-gloss, matte), fine art printing material (canvas, smooth, textured, watercolor), self-adhesive and vinyl (polypropylene, vinyl), sign and banner (display film, banner, scrim, polypropylene, Tyvek®, outdoor paper), backlit, bond and coated (bond, coated, heavyweight coated, super heavyweight coated)	
Media sizes	Standard: All standard sizes larger than A4	
Maximum media length	Roll: 91.4 m. Sheet: 1676.4 mm	
Maximum media width	DJ Z3100ps GP 610 mm: 610 mm; DJ Z3100ps GP 1118 mm: 1118 mm	
Maximum print length	91 m (OS and application dependent)	
Media thickness	Up to 0.8 mm	
Recommended media weight	500 g/m ²	
Roll	Maximum diameter: 136 mm	
Media handling	Sheetfeed, roll feed, automatic cutter (cuts all media except canvas)	
Interface and connectivity	Standard: Hi-Speed USB (compatible with USB 2.0 specifications), 10/100 BT Ethernet RJ-45, EIO Jetdirect accessory slot. Optional: HP Jetdirect EIO print servers	
Control panel	240 x 160 pixel greyscale graphical display, 4 direct access buttons, 7 navigation buttons and 2 bicolour lights (Ready, Processing, Attention, Error)	
Software	DJ Z3100ps GP 610 mm: Printer drivers (Adobe® PostScript®, HP PCL 3 GUI, HP-GL2/RTL), HP Color Center, HP Easy Printer Care Software; DJ Z3100ps GP 1118 mm: Printer drivers (Adobe® PostScript®, HP PCL 3 GUI, HP-GL2/RTL), HP Color Center, HP Easy Printer Care Software	
Operating systems compatibility	Windows® 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003, Novell NetWare 5.x, 6.x, Mac OS 10.2 and higher, Citrix MetaFrame, Windows® Terminal Services. Latest driver upgrade information available on http://www.hp.com/designjet	
Network operating systems compatibility	Windows® 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003, Novell NetWare 5.x, 6.x, Mac OS 10.2 and higher, Citrix MetaFrame, Windows® Terminal Services	
Minimum system requirements	Microsoft Windows® 2000/XP: Pentium IV, 1 GHz, 512 MB RAM, 2 GB available hard disk space. Mac G3 dual processor, 512 MB RAM, 1 GB available hard disk space	
Recommended system requirements	Microsoft Windows® 2000/XP: Pentium IV, 1 GHz, 1 GB RAM, 2 GB available hard disk space. Mac OS X v10.2, v10.3, v10.4 and later, PowerPC G4, G5, or Intel Core Processor, 1 GB Ram, 2 GB available hardware disk	
Power	Requirements: Input voltage: autoranging 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 amp maximum. Supply: Built-in universal power supply. Consumption: 200 watts maximum	
Dimensions (w x d x h)	Out of package: DJ Z3100ps GP 610 mm: 1262 x 732 x 1047 mm; DJ Z3100ps GP 1118 mm: 1770 x 732 x 1047 mm. Packaged: DJ Z3100ps GP 610 mm: 1470 x 780 x 740 mm; DJ Z3100ps GP 1118 mm: 1960 x 775 x 600 mm	
Weight	Out of package: DJ Z3100ps GP 610 mm: 65 kg; DJ Z3100ps GP 1118 mm: 86 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: -20 to 55° C. Storage humidity: 0 to 95% RH. Noise level per ISO 9296: sound power: LwAd 6.5 B(A). Sound pressure: LpAm 44 dB (A)	
Certifications	Compliance for Class B products: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC) and Taiwan (BSMI).. Regulatory standards: IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and US, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI.	
Warranty	DJ Z3100ps GP 610 mm: Standard Warranty: 1 year next business day onsite support. 1 year Warranty Extension (Two options: next day onsite support, same business day onsite support with 4 hours response), 3 year HP Care Pack (Two options: next day onsite support, same business day onsite support with 4 hours response), basic installation, setup and network; DJ Z3100ps GP 1118 mm: Standard Warranty: One year next business day onsite support. 1 year Warranty Extension (next business day onsite support or same business day onsite support with 4 hours response), 3 year HP Care Pack (Two options: next day onsite support, same business day onsite support with 4 hours response), basic installation, setup and network	

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



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