



The new HP Designjet T610 and T1100 Printer series  
Performance and precision for maximum productivity.



Experience the smooth and powerful performance of the new HP Designjet T610 and T1100 Printer series. From the first print to the last, from renderings to line drawings, its innovative functionality will leave you impressed in its wake. Whether for architects, GIS (Geographical Information Systems), general office poster printing, engineering or technical professionals, your business stands to benefit so much with this printing system. Now, you can stay in full control of your print environment while reaping all the rewards of improved productivity and efficiency that come with it.

### Professional and impressive

#### **One for personal use. Another for the entire work team**

The HP Designjet T610 Printer series is ideal for personal use, creating in-house prints of professional quality. Meanwhile, with added-on functions, the exceptionally built HP Designjet T1100 Printer series is the perfect device for your entire work team. So, if you're looking to impress with high-impact, professional prints, look no further than this series of performance-driven printers.

### Precise colour performance

Equipped with HP Vivera inks, you attain exacting precision and improved line accuracy up to 0.1%<sup>1</sup>, 0.0423 mm minimum line width. HP Vivera inks were designed specifically for the HP Designjet T610 and T1100 Printer series to produce a wide spectrum of colours that boast vividness and vibrancy. Enabled by the matte black, photo black, and grey HP Vivera inks in the Three-black ink set, even hard-to-produce tones like polished chrome is easy to achieve. What's more, HP Vivera inks are designed to work in tandem with Original HP media, giving you consistent, professional results. Being smudge-resistant and fast-drying, HP Vivera inks gives you the assurance that all the time and effort you've put into each print is completely preserved.

<sup>1</sup> ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50–60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film.

## Pump up your productivity

### Speed and precision

Now you can print CAD/GIS projects up to 3 times faster<sup>1</sup> compared to previous HP Designjets, saving you much valuable time. Enjoy faster print speeds—such as printing an A1 page in up to 35 seconds<sup>2</sup> with HP's innovative, large printhead technology that is designed for accurate placement of smaller drops at high speed for consistent results even at fast print speeds.

### Free up your time to do more

What's more with this printer's in-printer processing architecture, files are now processed in the printer rather than on your workstation, effectively freeing up your time to work on other urgent business.

*Only available with the HP Designjet T1100 Printer series*

With 40 GB of hard disk space, you are ensured that even large print jobs are attended to smoothly and quickly.

### Optimise your productivity

Intelligence built into HP Original supplies helps save you time and minimise interruptions while making continuous automatic adjustments to optimise print quality and reliability, essentially maximising the lifespan of the printhead.

## Complete control of your print environment

### Colours that match from screen to print

With HP Professional Color Technologies, colours and lines appear exactly on print as you envision them on-screen. This is achieved with screen-to-print matching through a range of HP Professional Color Technologies, including enhanced sRGB and AdobeRGB printing, Automatic Closed Loop Colour Calibration. And with colour emulation capabilities, the HP Designjet T610 & T1100 Printer series can emulate the colours produced on the HP Designjet 500, HP Designjet 800 and HP Designjet 1000 Printers. Hence, allowing more effective and confident utilisation of all your resources, while keeping colours consistent always.

*Only available with the HP Designjet T1100ps printer*

The HP Designjet T1100ps printer also offers more precise colour management capabilities such as TIFF and JPEG with embedded ICC profiles, offset emulation, Black Point compensation and Pantone emulation.

### Integrated and highly compatible

Enjoy a highly compatible printer that tackles complex print jobs with ease. Expect full compatibility and integration with operating system and CAD applications. With embedded HP-GL/2 and RTL, most CAD applications on a wide range of operating systems are supported. What's more, since HP printer drivers are specially optimised for AutoCAD, you enjoy Windows ease-of-use with the performance of HDI.

*Only available with the HP Designjet T1100ps printer*

Embedded HP-GL/2 alongside embedded PostScript and Adobe PostScript driver gives you even more compatibility with graphic design applications, while delivering high quality line art prints and the ability to bypass busy network issues so that even complex files are printed quickly and accurately without complication.

### HP Easy Printer Care – For total print management

*Only available with the HP Designjet T1100 Printer series*

HP Easy Printer Care gives you the power to maintain and manage your printer with ease. It automatically alerts you when your printer needs attention and if a change of media is required for specific print jobs. It does all this while continuing to print other queued jobs so as not to disrupt the workflow.

### HP Job Center—Total management all the time


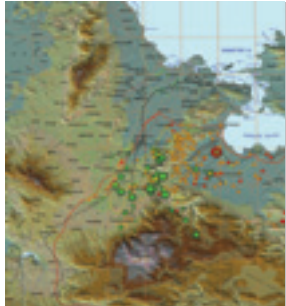

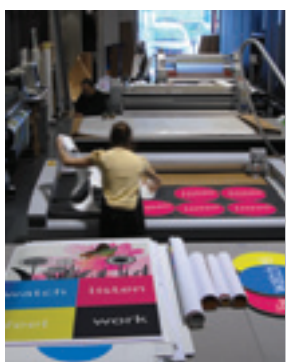

*Only available with the HP Designjet T1100 Printer series*

With the HP Designjet T1100's Job Center and HP's embedded web server, you can now manage print job priorities and reprint copies to suit your demands and share the printer efficiently with your peers. It also allows changes to the order of your jobs without having to stand up and walk to the printer. Plus, with batch printing, instead of opening individual files and changing their settings, all you need to do is drag and drop your batch of files (supported by HP-GL/2, CALS/G4) to the Job Center for easy printing. What's more, thanks to its support for IPv6 and Gigabit Ethernet networking, the embedded HP Jetdirect allows high-speed printing for the entire work team, greatly boosting productivity. Essentially giving you total control over your printing environment.

<sup>1</sup> Compared to the HP Designjet 800 Printer series, based on 4 copies of 50 A1 pages using normal print quality on plain paper. Intervention time not included.

<sup>2</sup> Mechanical printing time on plain media using fast economode.

# Your ideal highly productive large-format colour printer

	Industries	Applications	Market requires	HP Designjet T610 and T1100 Printer series
	<b>Architectural engineering and construction</b>	Architectural, civil engineering, construction drawings and renderings	Just-in-time printing, high productivity, spend more time to design and less time on print production, line accuracy and quality, high-quality colour	Up to 3X faster compared to previous HP Designjets <sup>1</sup> , improved line accuracy up to 0.1% <sup>2</sup> , up to 2400 x 1200 optimised dpi colour
	<b>Telecommunications, gas, water and electric utilities, oil and mining</b>	Geographical Information System, mapping	Line accuracy and quality, high image detail, increased productivity, able to print huge file size	Up to 3X faster compared to previous HP Designjets <sup>1</sup> , improved line accuracy up to 0.1% <sup>2</sup> , up to 2400 x 1200 optimised dpi colour, maximum 256 MB memory + 40 GB hard disk <sup>3</sup>
	<b>Product manufacturing companies</b>	Mechanical design	Just-in-time printing, increased productivity, spend more time to design and less time on print production, line accuracy and quality, high-quality colour	Up to 3X faster compared to previous HP Designjets <sup>1</sup> , improved line accuracy up to 0.1% <sup>2</sup> , up to 2400 x 1200 optimised dpi colour
	<b>Repro houses/ Print service providers/ Copier shops</b>	Technical drawings and renderings, Large-format posters, point-of-purchase material, banners, signages, etc.	Just-in-time printing, increased productivity, high-quality colour  Excellent monitoring of print jobs, supplies and easy operation <sup>2</sup>	Up to 3X faster compared to previous HP Designjets <sup>1</sup> , improved line accuracy up to 0.1% <sup>2</sup> , up to 2400 x 1200 optimised dpi colour  Printer management and direct multi-file printing support via embedded web server <sup>3</sup>
	<b>General office poster printing</b>	In-house poster printing, presentation print-outs, notices, etc.	Easy operation, just-in-time printing, high-quality colour	Up to 3X faster compared to previous HP Designjets <sup>1</sup> , improved line accuracy up to 0.1% <sup>2</sup>

<sup>1</sup> Compared to the HP Designjet 800 Printer series, based on 4 copies of 50 A1 pages using normal print quality on plain paper. Intervention time not included.

<sup>2</sup> ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50–60% relative humidity, on E/AO printing material in Best or Normal mode with HP Matte Film.

<sup>3</sup> Only applicable on the HP Designjet T1100 & T1100ps Printer series.

# HP Professional Colour Technology

**VIVERA**  
HP INKS

Brilliant, Enduring Color.

## Be amazed by HP Vivera Inks

Proprietary dye-based HP Vivera inks are carefully engineered to work flawlessly with all parts of the printing system. Together with HP six-ink colour printing, it delivers a wide range of colours, deeper blacks, continuous tones, gloss uniformity, fine detail reproduction—especially in dark areas—and smooth tonal transitions.



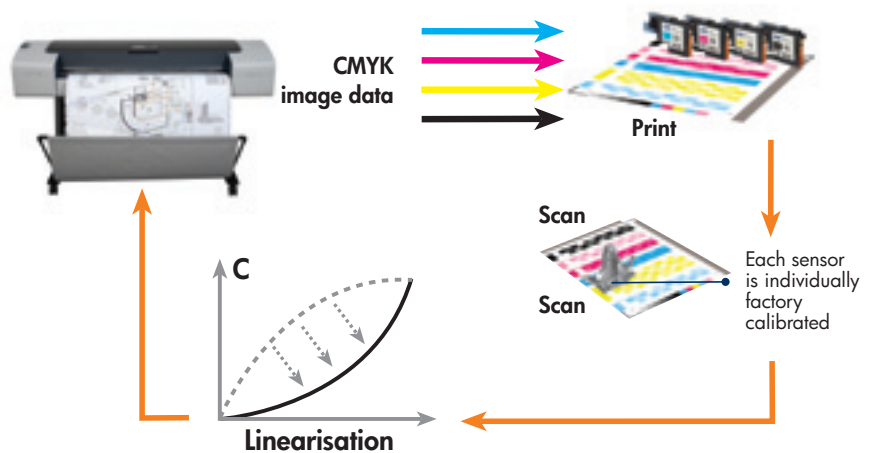
## Impressive details with HP Three-black ink set

Using the HP Three-black ink set enhances detail and produces images with even subtle contrasts from vivid colour to soft tones. Besides producing true neutral grey and accentuating the detail in your prints, you will also achieve outstanding horizontal-to-vertical line-width difference with improved line accuracy to 0.1%<sup>1</sup> and 0.0423 mm minimum line width.

## Automatic Closed Loop Colour calibration

Using Automatic Closed Loop Colour calibration processes, the HP Designjet T610 and T1100 Printer series can ensure accurate and consistent colour reproduction from printer to printer and print to print. A narrow-band LED light source is used to illuminate primary colour tiles. The reflected light is measured by a colour sensor and adjustments, based on measurements, are made to the amount of primary ink used.

## Automatic Closed Loop Colour calibration



## Screen-to-print matching

Achieve excellent colour consistency and screen-to-print matching with enhanced sRGB and support for TIFF and JPEG with embedded ICC profiles.

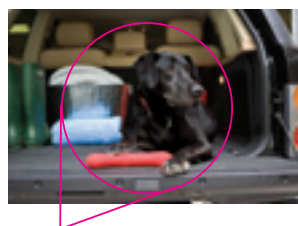
## Screen-to-print matching



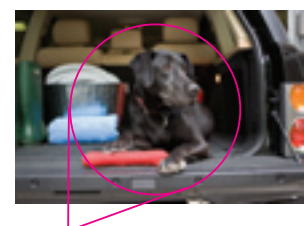
## Black point compensation

For colour printouts with excellent accuracy and preserved detail in highly saturated or shadowed areas, the HP Designjet T610 and T1100 Printer series includes black point compensation. More details can be seen in dark or highly saturated areas, while colorimetric transformation results in more accurate colour.

## Black point compensation—Preserving the details



Without black point compensation



With black point compensation

<sup>1</sup> ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50–60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film.

# At a glance

HP Designjet T1100 Printer series as shown below



Features	HP Designjet T610 24-inch/44-inch printer	HP Designjet T1100 24-inch/44-inch printer	HP Designjet T1100ps 24-inch/44-inch printer	Benefits
	For CAD professionals	For CAD work teams	For teams of GIS practitioners, industrial designers or mixed teams with draftsmen and graphic designers	
Memory	128 MB	256 MB	256 MB	Compress complex files quickly
Embedded HP-GL/2	•	•	•	
40 GB hard disk		•	•	Compress complex files quickly
Job Center in embedded Web Server limited to HP-GL/2, CALS/G4 support		•	• With TIFF & JPEG support	Change print job priorities and reprint copies efficiently
Job alerts in HP Easy Printer Care		•	•	Send jobs to the printer regardless of the media that's loaded
IPv6-ready, Gigabit Ethernet embedded Jetdirect		•	•	Ready for high-speed network printing and work team productivity
Embedded PostScript & Adobe PostScript driver; HP Professional PANTONE® emulation			•	More compatibility with graphic design applications
Embedded PDF 1.6			•	PDF workflow support

<sup>1</sup> ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50–60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film.

## Technical specifications

<b>Print Speed<sup>1</sup></b>	
Line drawings <sup>2</sup>	<b>Fast:</b> 35 sec/page on D/A1, 70 D/A1 prints per hour (economode on); 52 D/A1 prints per hour (economode off)
Colour images	<b>Fast:</b> 48 m <sup>2</sup> /hr (530 sq ft/hr) <sup>3</sup> ; <b>Best:</b> 2.8 m <sup>2</sup> /hr (30 sq ft/hr) <sup>4</sup>
<b>Print resolution, maximum</b>	2400 x 1200 optimised dpi
<b>Memory</b>	<b>HP Designjet T610 Printer series:</b> 128 MB standard memory; <b>HP Designjet T1100 &amp; T1100ps Printer series:</b> 256 MB standard memory, 40 GB hard disk
<b>Media</b>	
Handling	Roll feed, sheet feed
Types	Bond and coated paper (bond, coated, heavyweight coated, super heavyweight coated, super heavyweight plus matte, coloured), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), backlit, self-adhesive (two-view cling, indoor paper, polypropylene, vinyl)
Weight	60 to 328 g/m <sup>2</sup>
Size	<b>HP Designjet T1100 &amp; T1100ps 24-inch Printer series:</b> 8.5 to 24-inch wide sheets, 11 to 24-inch rolls <b>HP Designjet T1100 &amp; T1100ps 44-inch Printer series:</b> 8.5 to 44-inch wide sheets, 11 to 44-inch rolls <b>HP Designjet T610 24-inch Printer series:</b> 8.5 to 24-inch wide sheets, 11 to 24-inch rolls <b>HP Designjet T610 44-inch Printer series:</b> 8.5 to 44-inch wide sheets, 11 to 44-inch rolls
Thickness	Up to 31.5 mil
Maximum roll length	91 m/300 ft
<b>Printing</b>	
Margins	<b>Roll:</b> 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 inch) (borderless on photo papers); <b>Sheet:</b> 5 x 16.75 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 inch)
Technology	HP Thermal Inkjet; <b>Ink cartridge colours:</b> Cyan, grey, magenta, matte black, photo black, yellow; <b>Ink types:</b> HP Vivra Inks; <b>Ink drop:</b> 6 pl (cyan, magenta, photo black, grey), 9 pl (yellow, matte black); <b>Ink cartridge size:</b> 69 ml (photo black, cyan, magenta, yellow, grey); 130 ml (matte black, photo black, cyan, magenta, yellow, grey); <b>Nozzles:</b> 1056
Minimum line width	0.0423 mm/0.002 inch
Line accuracy <sup>5</sup>	+/-0.1%
Maximum print length	91 m/300 ft (OS and application dependent)
<b>Connectivity</b>	
Interfaces (standard)	<b>HP Designjet T1100 Printer series:</b> Two 10/100/1000BT Ethernet RJ-45 port, one Hi-Speed USB 2.0 certified port, one EIO JetDirect accessory slot; <b>HP Designjet T610 Printer series:</b> One Hi-Speed USB 2.0 certified port, one EIO JetDirect accessory slot
Interfaces (optional)	HP JetDirect print servers
Print languages (standard)	<b>HP Designjet T1100/T610 Printer series:</b> HP-GL2/RTL, CALS/G4, HP PCL3GUI <b>HP Designjet T1100ps printer:</b> Adobe® PostScript®, Adobe PDF 1.6, HP-GL2/RTL, CALS/G4, TIFF, JPEG, HP PCL3GUI
Drivers (included)	<b>HP Designjet T1100/T610 Printer series:</b> HP-GL/2, HP-RTL Windows® drivers; Optimised Windows® driver for AutoCAD 2000 and higher; support for Citrix MetaFrame environments; HP PCL3GUI driver for Mac OS X <b>HP Designjet T1100ps printer:</b> 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
<b>System requirements</b>	<b>Macintosh:</b> Mac OS X v 10.2, Mac OS X v 10.3, Mac OS X v 10.4 or higher; <b>PowerPC:</b> G4, G5, or Intel® Core® Processor, 1 GB RAM, 2 GB available hard disk space; <b>Windows:</b> Windows® 2000: Intel® Pentium III (733 MHz), 512 MB RAM, 2 GB available hard disk space; Windows® XP Home, Windows® XP Professional: Intel® Pentium IV (1 GHz), 512 MB RAM, 2 GB available hard disk space
<b>Dimensions (w x d x h)</b>	<b>HP Designjet T1100/T610 24-inch printer:</b> 1262 x 661 x 391 mm (49.7 x 26 x 15.4 inches) <b>HP Designjet T1100/T610 44-inch printer (with stand):</b> 1770 x 661 x 1047 mm (69.7 x 26 x 41.2 inches)
Shipping dimension	<b>HP Designjet T1100/T610 24-inch printer:</b> 1660 x 770 x 590 mm (65.3 x 30.3 x 23.2 inches) <b>HP Designjet T1100/T610 44-inch printer (with stand):</b> 1965 x 780 x 780 mm (77.3 x 30.7 x 30.7 inches)
<b>Weight</b>	<b>HP Designjet T1100/T610 24-inch Printer series:</b> 47 kg (103.6 lb); <b>HP Designjet T1100/T610 44-inch Printer series:</b> 86 kg (189 lb)
<b>What's in the box</b>	<b>HP Designjet T1100/T610 24-inch Printer series:</b> Printer, printheads (3 x 2 colours), ink cartridges (5 x 69 ml, 1 x 130 ml), coated paper sample roll <sup>6</sup> (24 inches x 25 ft), rear tray (24 inches), 3 inch spindle adaptor kit, quick reference guide, setup poster, legal document, doc & drivers DVD, Autodesk Design Review CD, customer service guide, interface cable, power cord <b>HP Designjet T1100/T610 44-inch Printer series:</b> Printer, printheads (3 x 2 colours), ink cartridges (6 x 130 ml), coated paper sample roll <sup>6</sup> (24 inches x 25 ft), stand (44 inches), rear tray (44 inches), 3 inch spindle adaptor kit, quick reference guide, setup poster, legal document, doc & drivers DVD, Autodesk Design Review CD, customer service guide, interface cable, power cord
<b>Environmental ranges</b>	<b>Operating temperature:</b> 5 to 40° C (41 to 104° F); <b>Recommended operating temperature:</b> 15 to 35° C (59 to 95° F) (depending on paper type); <b>Storage temperature:</b> -25 to 55° C (-13 to 131° F); <b>Operating humidity:</b> 20 to 80% RH
<b>Acoustic</b>	<b>Sound pressure, active:</b> 44 dB(A); <b>Sound pressure, standby:</b> 29 dB(A); <b>Sound power, active:</b> 6.5 B(A); <b>Sound power, standby:</b> 4.4 B(A)
<b>Power consumption</b>	<b>Maximum:</b> 200 watts; <b>Powersave:</b> 27 watts; <b>Off:</b> 0.1 watts; <b>Power requirements:</b> Input voltage (autoranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 amp max
<b>Certification</b>	<b>Safety:</b> USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE); <b>Electromagnetic:</b> Compliance for Class B products: EU (EMC Directive), USA (FCC Rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Certified as Class A product: Korea (MIC), Taiwan (BSMI); <b>Environmental:</b> Energy Star, EU WEEE and RoHS Directives
<b>Warranty</b>	One-year, next-business-day, on-site warranty (Please check with your local distributors for more details)

<sup>1</sup> Mechanical printing time.

<sup>2</sup> Printed on plain media.

<sup>3</sup> Printed on coated media. Measured on a HP Designjet T1100/T610 24-inch Printer.

<sup>4</sup> Printed on glossy media. Measured on a HP Designjet T1100/T610 44-inch Printer.

<sup>5</sup> ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50–60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film.

<sup>6</sup> Not available in the box for HP Designjet T610 Printer series.



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Printed in Singapore, 200030240EEP, March 2007

## Ordering information

Product	
Q6711A	HP Designjet T610 24-inch Printer
Q6712A	HP Designjet T610 44-inch Printer
Q6683A	HP Designjet T1100 24-inch Printer
Q6684A	HP Designjet T1100ps 24-inch Printer
Q6687A	HP Designjet T1100 44-inch Printer
Q6688A	HP Designjet T1100ps 44-inch Printer
Accessories	
Q6663A	HP Designjet Zx100/Tx100/Tx10 24-inch Stand
Q6700A	HP Designjet Zx100/Tx100/Tx10 24-inch Spindle
Q6709A	HP Designjet Tx100/Tx10 44-inch Spindle
J7934G	HP Jetdirect 620n Fast Ethernet Print Server
J7960G	HP Jetdirect 625n Gigabit Ethernet Print Server
J7961A	HP Jetdirect 635n IPv6/IPsec Print Server
Supplies	
C9380A	HP 72 Grey & Photo Black Printhead
C9383A	HP 72 Magenta & Cyan Printhead
C9384A	HP 72 Matte Black & Yellow Printhead
C9397A	HP 72 69-ml Photo Black Ink Cartridge
C9398A	HP 72 69-ml Cyan Ink Cartridge
C9399A	HP 72 69-ml Magenta Ink Cartridge
C9400A	HP 72 69-ml Yellow Ink Cartridge
C9401A	HP 72 69-ml Grey Ink Cartridge
C9403A	HP 72 130-ml Matte Black Ink Cartridge
C9370A	HP 72 130-ml Photo Black Ink Cartridge
C9371A	HP 72 130-ml Cyan Ink Cartridge
C9372A	HP 72 130-ml Magenta Ink Cartridge
C9373A	HP 72 130-ml Yellow Ink Cartridge
C9374A	HP 72 130-ml Grey Ink Cartridge
Media supplies	
Q6627A	HP Super Heavyweight Plus Matte Paper 914 mm x 30.5 m/36 inches x 100 ft
Q6628A	HP Super Heavyweight Plus Matte Paper 1067 mm x 30.5 m/42 inches x 100 ft
C6030C	HP Heavyweight Coated Paper 36 inches x 100 ft/914 mm x 30.5 m
C6569C	HP Heavyweight Coated Paper 1067 mm x 30.5 m/42 inches x 100 ft
C6019B	HP Coated Paper 610 mm x 45.7 m/24 inches x 150 ft
C6020B	HP Coated Paper 914 mm x 45.7 m/36 inches x 150 ft
C6980A	HP Coated Paper 914 mm x 91.4 m/36 inches x 300 ft
C6035A	HP Bright White Inkjet Bond Paper 610 mm x 45.7 m/24 inches x 150 ft
C6036A	HP Bright White Inkjet Bond Paper 914 mm x 45.7 m/36 inches x 150 ft
C6810A	HP Bright White Inkjet Bond Paper 914 mm x 91.4 m/36 inches x 300 ft
Q1397A	HP Universal Inkjet Bond Paper 914 mm x 45.7 m/36 inches x 150 ft
C3868A	HP Natural Tracing Paper 914 mm x 45.7 m/36 inches x 150 ft
C3875A	HP Clear Film 914 mm x 22.9 m/36 inches x 75 ft
51642B	HP Matte Film 914 mm x 38.1 m/36 inches x 125 ft
Q1427A	HP Universal High-gloss Photo Paper 914 mm x 30.5 m/36 inches x 100 ft
Q1421A	HP Universal Semi-gloss Photo Paper 914 mm x 30.5 m/36 inches x 100 ft

More HP media sizes and weights available at [www.hp.com/go/designjet/supplies](http://www.hp.com/go/designjet/supplies)

Service and support	
UG723E	HP 3 year, next business day onsite, hardware support
UG725E	HP 5 year, next business day onsite, hardware support
UG728PE	HP 1 year, post warranty, next business day onsite, hardware support
H4518E	HP Installation for 1 network configuration Designjet network printer

