



WHAT DO YOU HAVE TO SAY?

HP Designjet L65500 Printer

Print with the environment in mind



The first of a new category of large-format signage printers with HP Latex Inks that reduce the total impact of printing on the environment

Achieve outdoor and indoor application versatility

- This six-ink printing system produces applications— up to 104 inches— that impress with rich, saturated color.
- Outdoor prints achieve display permanence up to 3 years unlaminated and up to 5 years laminated.² The prints are scratch, smudge, and water resistant on a range of media—with performance comparable to that of solvent-ink technology.² Indoor prints achieve in-window display permanence up to 5 years unlaminated and up to 10 years laminated on a range of media.³
- Produce great results across a wide range of media—including most low-cost, uncoated, solvent-compatible media.
- Deliver high-resolution, indoor prints that please the discerning eye up to 1200 dpi with a 12 picoliter drop size. Print sharp, readable text as small as 4 point.
- Expect impressive results over a broad range of specially designed HP large-format media.

Innovative supplies reduce the impact of printing

- Odorless prints⁴ produced with HP Latex Inks emit extremely low levels of VOCs (volatile organic compounds). No special ventilation is required, and there are no requirements for air discharge permitting, facilitating an improved printing environment.⁵
- Handle supplies with confidence—no hazard warning labels, no hazardous waste.⁶

- Reduce materials use with a new ink cartridge design that includes a recyclable cardboard container.
- Achieve both durability and vivid image quality with a new HP media surface treatment.

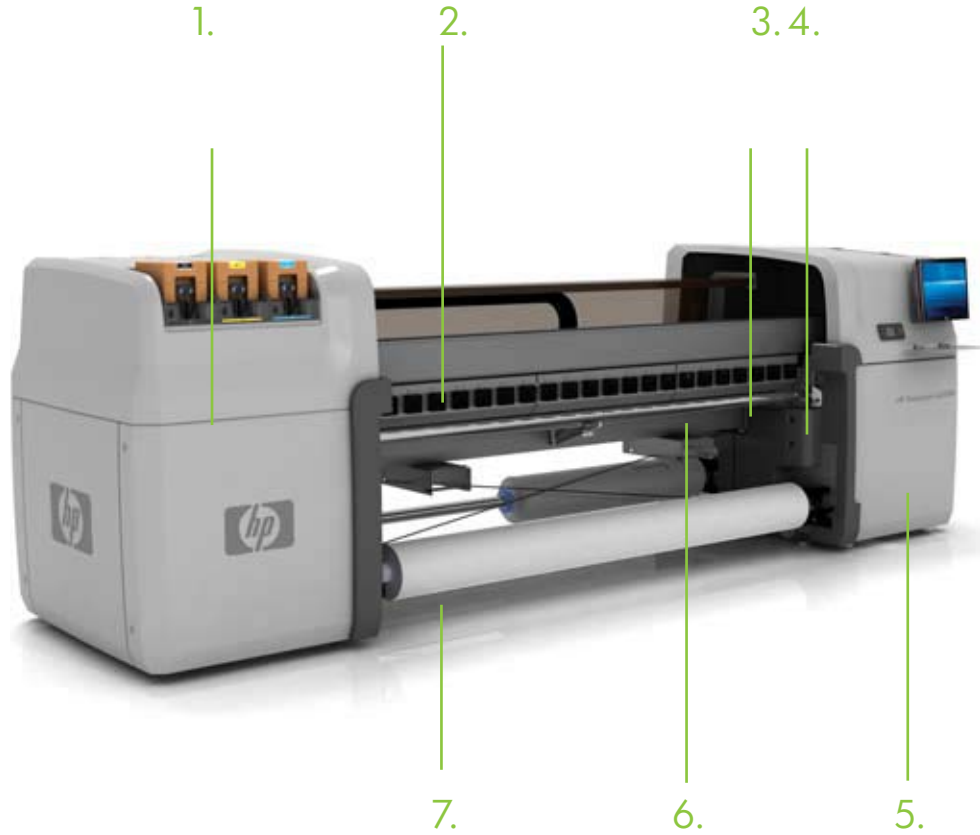
High-speed, quality printing. Reach new levels of productivity

- Increase speed and precision with HP Wide Scan Printing Technology. Three 108 mm (4.25 inch) printheads with a total of 31,680 nozzles support a firing frequency of up to 24 KHz and produce an 8.5-inch print swath. The printheads, combined with precise media advancement using HP's proprietary Optical Media Advance Sensor (OMAS), facilitate outdoor-quality prints at up to 70 m²/hr (800 ft²/hr) and indoor-quality prints at up to 35 m²/hr (400 ft²/hr).⁷
- Reduce time-consuming interruptions with Original HP printing supplies. Unlike printers using solvent inks, HP systems using water-based HP Latex Inks and HP Wide Scan Printheads do not require daily, manual printhead maintenance.⁸ Individual printheads are user replaceable, eliminating the down-time and expense of a service call. Replace ink less frequently with 3-liter ink cartridges and media less frequently with 110 kg media roll support. These features, along with an Optical Drop Detector, and the maintenance kit for the HP Designjet L65500 Printer, enable a better return on investment.
- HP Latex Inks are completely cured inside the printer to form a durable film on the print medium. Prints come out of the printer ready to use, finish, and prepare for shipment.
- Print color consistently across a range of temperature and humidity conditions over the life of the printer with HP DreamColor Technologies. The printer uses an embedded spectrophotometer to automatically scan a printer-generated color target, measure its properties, then make and record any corrections. This allows for fully automated color calibration.

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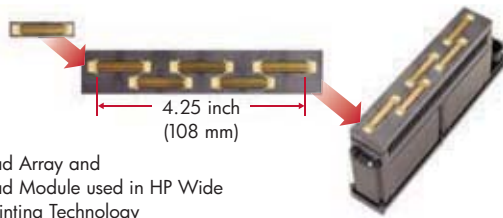
Print with the environment in mind

1. Six HP 786 3-liter Latex Designjet Ink Cartridges with recyclable cardboard container design, hot swappable
2. Two integrated heaters
3. Three HP Wide Scan Printheads (each contains 2 colors of ink) with total 31,680 nozzles, 1200 dpi and 12 pl. drop size
4. HP Embedded Spectrophotometer with Advanced Close Loop Color Calibration
5. HP 786 Designjet Maintenance Kit
6. HP Optical Media Advance Sensor
7. Up to 104 inch/264 cm wide with 110 kg media support



Designed with the environment in mind, HP Latex Printing Technologies offer print service providers a compelling new alternative for creating a wide variety of outdoor and indoor applications. Expand your company's offering with a single, versatile printer that offers broad outdoor and indoor media versatility. Print banners, event and transit signage, vehicle wraps, and other outdoor-applications as well as high-quality indoor signage, including point-of-purchase displays.





Printhead Array and Printhead Module used in HP Wide Scan Printing Technology



HP Optical Media Advance Sensor

Innovative water-based HP Latex Inks designed with the environment in mind can bring in more business.

New HP Latex Printing Technologies offer environmental, health, and safety advantages relative to solvent-ink technology, that facilitate simpler printer installation and operation on your business premises while providing a breakthrough in meeting the demands of your environmentally conscious customers, all without compromising outdoor durability across a range of substrates.

Because these innovative new inks do not produce ozone emissions during printing and contain no hazardous air pollutants (HAPs) or sensitizers^o, they are in compliance with a number of industry-leading certifications including Nordic Swan.

What's more, these inks are non-flammable and non-combustible.

Reach new levels of productivity with HP Wide Scan Technology.

HP Wide Scan Technology delivers high productivity at high image quality using two proprietary HP technologies working together: HP Wide Scan Printheads for precision drop ejection over wide print swaths at high writing speeds, and the HP Optical Media Advance Sensor for accurate media advance between wide print swaths.

The HP Wide Scan Printheads have been designed together with HP Latex Inks for low user maintenance, reliable performance, and maximum productivity. When necessary, individual printheads can be replaced by the user, without the expense, printer-down time, and inconvenience of a service call.

The HP Optical Media Advance Sensor accurately controls media advance to minimize banding for high-quality at high-speed.

Achieve both durability and vivid image quality with a new HP media surface treatment.

Two specially treated HP media, HP Tyvek Banner and HP High Density Polyethylene (HDPE) Reinforced Banner, provide both image quality and durability when printing with HP Latex Inks. This proprietary new HP media surface-treatment technology produces a wide color gamut and makes it possible to achieve both durability and sharp, vivid image quality on materials that don't typically print well with solvent inks.

HP large-format media, HP Latex Inks, and the HP Designjet L65500 Printer are designed and tested together to provide outstanding results every time you print. HP designed 14 new large-format media for optimal results with HP Latex Printing Technologies. This portfolio features 5 recyclable substrates,¹ including HP High Density Polyethylene (HDPE) Reinforced Banner.



HP Designjet L65500 Printer

Technical specifications

Print speed	Outdoor-quality prints: up to 70 m²/hr (800 ft²/hr)⁷
	Indoor-quality prints: up to 35 m²/hr (400 ft²/hr)⁷
Print resolution	Up to 1200 x 600 dpi
Heater	
Integrated	2 independent heater systems
Locations	Front and print area
Media	
Handling	Roll feed
Types	Supports most low-cost, uncoated, solvent-compatible media
Size	Up to 2.64 m (104 inches) wide
Loading	Up to 110 kg (242 lb) rolls, up to 25 cm (9.8 inch) outside diameter
Printing	
Technology	HP Latex Printing Technologies
Technology Resolution	1200 dpi
Ink type	HP Latex Inks
Ink colors	6 colors- cyan, magenta, yellow, black, light cyan, light magenta
Ink cartridge size	3 liters
Print-heads	3 total (each contains 2 colors- cyan/black, magenta/yellow, light cyan/light magenta)
Print-head type	HP Wide Scan Printhead
Nozzles	10,560 per print-head
Outdoor display	Up to 3 years unlaminated, 5 years laminated ²
Indoor in-window display	Up to 5 years unlaminated, 10 years laminated ³
Ink Drop	12 pl
Interfaces	Gbit Ethernet
Dimensions (w x d x h)	5.17 x 1.65 x 1.64 m (16.97 x 5.44 x 5.39 ft)
Weight	1,020 kg (2,255 lb)
Agency compliance/certifications	Nordic Swan

¹ Recycling opportunities currently only available in limited areas. Customers should consult local recycling resources.

² HP image permanence and scratch, smudge, and water resistance estimates by HP Image Permanence Lab. Display permanence tested according to SAE J1960 using HP Latex and solvent inks on a range of media, including HP media; in a vertical display orientation in simulated nominal outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance may vary as environmental conditions change. Scratch, smudge, and water resistance tested using HP Latex and solvent inks on a wide range of HP media. Laminated display permanence using Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance.

For more information, see www.hp.com/go/supplies/printpermanence.

³ Interior in-window display ratings by HP Image Permanence Lab on a range of media including HP media. HP in-window predictions based on test data under Xenon-Arc illuminant. Calculation assumes 6,000 Lux/12 hr day. Laminated display permanence using Neschen Solvoprint Performance Clear 80 laminate. For more information, see www.hp.com/go/supplies/printpermanence.

⁴ Printers using HP Latex Inks use internal heaters to dry and cure the latex polymer film. Some substrates may have inherent odor.

⁵ Special ventilation is not required to meet US OSHA requirements on occupational exposure to VOCs from HP Latex Inks. Ventilation equipment installation is at the

discretion of the customer—no specific HP recommendation is intended. Typically no air discharge permitting required with inks that emit extremely low levels of VOCs. Customers should consult state and local requirements and regulations.

⁶ HP Latex Inks are generally not considered hazardous waste. Customers should consult state and local requirements and regulations.

⁷ Outdoor-quality speed based on printing in 2-pass unidirectional print mode; indoor-quality speed based on printing in 4-pass unidirectional print mode.

⁸ Printers using HP Wide Scan Printing Technology employ fully automatic printhead testing and maintenance systems.

⁹ No ozone products expected based on ink composition and printing technology; HAPs per US Environmental Protection Agency Method 311.

HP Supplies (Ink and Media) Information

HP Latex printing supplies for HP Designjet L65500 Printer

Printheads
HP 786 Yellow/Magenta Designjet Printhead
HP 786 Cyan/Black Designjet Printhead
HP 786 Lt Magenta/Lt Cyan Designjet Printhead

Ink Cartridges

HP 786 3-liter Black Latex Designjet Ink Cartridge
HP 786 3-liter Cyan Latex Designjet Ink Cartridge
HP 786 3-liter Magenta Latex Designjet Ink Cartridge
HP 786 3-liter Yellow Latex Designjet Ink Cartridge
HP 786 3-liter Light Cyan Latex Designjet Ink Cartridge
HP 786 3-liter Light Magenta Latex Designjet Ink Cartridge

Maintenance Kit

HP 786 Designjet Maintenance Kit

HP Media Portfolio for HP Designjet L65500 Printer

Banners

HP Durable Frontlit Scrim Banner
HP Outdoor Frontlit Scrim Banner
HP Backlit Scrim Banner
HP HDPE Reinforced Banner*

Self-adhesives

HP Permanent Gloss Adhesive Vinyl
HP Permanent Matte Adhesive Vinyl

Films

HP Premium Backlit film

Fabric

HP Wrinkle-free Flag with liner*
HP Heavy Textile Banner*

Paper

HP Blue Back Billboard Paper
HP Photo-realistic Poster Paper*

Mesh

HP Mesh Banner with liner

Specialty

HP Satin Canvas
HP Tyvek® Banner*

* Recyclable substrates.¹

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To learn more, visit <http://www.hp.com/go/designjetL65500>

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