HP Latex 560 Printer

Manage peaks efficiently, rely on highest quality over time

Water-based HP Latex Technology is unique, delivering a combination of true application versatility, high image quality and high productivity, and a sustainable approach that's better for your operators, your business, and the environment.[1]

Match peak demand with fast response times

- Load rolls in one minute or less with the spindleless pivot table and automatic skew adjustment
- Respond fast with quality—up to 23 m^2/hr (248 ft^2/hr) indoor quality mode
- Cut risk, eliminate delays—prints are dry and scratch resistant[2] immediately after printing
- Easily produce high-quality double-sided banners—automation enables efficiency and speed

Get vivid color and consistent quality over time

- Produce highly saturated prints with up to 50% more ink density,[3] using vivid print modes
- Print colors right the first time with the i1 embedded spectrophotometer[4] and HP Custom Substrate Profiling
- Consistent, day-one image quality over time—native 1200 dpi, user changes printheads, auto nozzle replacement
- Handle robust tiling applications with consistent colors to <= 2 dE2000[5] and +/- 1 mm/m length accuracy

Keep costs low

- Get the high-quality results of high-cost materials on lower cost banners and vinyls with the wiper roller
- Double your work space[6]—do all tasks from the front of the printer, including media/ink cartridge changes
- Cut 2 to 3 hours/month maintenance[7]—automatic maintenance, OMAS media calibration save operator time
- Plan production in advance, optimize supplies usage, and save time—utilities predict how much ink is needed

For more information, please visit
hp.com/go/Latex560

Join the community, find tools, and talk to experts.
Visit the HP Latex Knowledge Center at
hp.com/communities/HPLatex

[1] Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

[2] Scratch resistance is comparable to hard-solvent inks on self-adhesive vinyl and PVC banner. Scratch-resistance comparison based on testing third-generation HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

[3] Compared to the HP Latex 360 Printer when using the same print mode.

[4] ICC profiling with the spectrophotometer does not support uncoated textiles and backlits.

[5] The color variation inside a printed job has been measured at 10-pass mode on vinyl media within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

[6] Available work space based on internal HP testing in January, 2016 comparing the HP Latex 500 Printer series to key competitive printers.

[7] Based on internal HP testing and manual maintenance requirements published in user manuals available as of January, 2016 for key competitive products compared to automatic maintenance provided by the HP Latex 500 Printer series.

HP Latex 560 Printer (1.63 m / 64 in)

HP Latex Optimizer

- Achieve high image quality at high productivity
- Interacts with HP Latex Inks to rapidly immobilize pigments on the surface of the print

End-to-end sustainability—a better approach

HP Latex Technology delivers all the certifications that matter to your operators, your business, and the environment.[8]

UL ECOLOGO[9]

Eco Mark Certification Number 14142007[10]

Using water-based inks eliminates exposure to inks with hazard warning labels and high solvent concentrations, and simplifies ventilation, storage, and transportation requirements.

HP Latex Inks enable more differentiation—odorless prints go where solvent can't.

UL GREENGUARD GOLD[11]

HP is designing end-to-end sustainability into large-format printing. The HP Latex 560 Printer is EPEAT Bronze registered—a designation for reduced environmental impact.[12]

HP Latex Inks

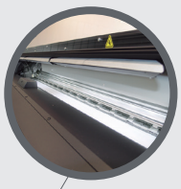
- Scratch resistance comparable to hard-solvent inks on SAV and PVC banner—you can consider unlaminated use for short-term signage[13]
- Outdoor durability up to 5 years laminated, 3 years unlaminated[14]

HP Latex printheads

- See fine details and smooth transitions with HP 831 Latex Printheads providing 1200 dpi native resolution
- Keep day-one image quality by replacing the printheads yourself in a few minutes, without a service call

High-efficiency curing

- Prints are completely cured and dry inside the printer, and ready for immediate finishing and delivery



Easy maintenance and operation

- Accessible print zone with large window and lights
- Enjoy low-maintenance printing with automatic drop detection and nozzle replacement

HP Optical Media Advance Sensor (OMAS)

- Precise and accurate motion control of media advance between print swaths
- Controls registration automatically including double-sided prints with automated registration across sides[15]

[8] Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

[9] Applicable to HP Latex Inks. UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle based criteria related to human health and environmental considerations (see ul.com/EL).

[10] HP 831 Latex Ink Cartridges, certification number 14142007, certified by the Eco Mark Office of Japan Environment Association.

[11] Applicable to HP Latex Inks. UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.

[12] EPEAT registered where applicable/supported. See epeat.net for registration status by country.

[13] Scratch-resistance comparison based on testing third-generation HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

[14] HP image permanence estimates by HP Image Permanence Lab. Outdoor display permanence tested according to SAE J2527 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. Laminated display permanence using HP Clear Gloss Cast Overlaminate, GBC clear gloss 1.7 mil hot laminate, or Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance.

[15] For best results use media options intended for double-sided printing.

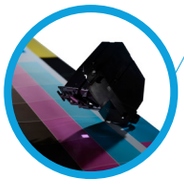
[16] ICC profiling with the spectrophotometer does not support uncoated textiles and backlits.

[17] The color variation inside a printed job has been measured at 10-pass mode on vinyl media within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

HP Latex 560 Printer

HP Custom Substrate Profiling
- Simplified color management, directly from the front panel, 8-inch touchscreen
- Pre-installed generic and HP substrate online profile library
- Create custom ICC profiles with the i1 embedded spectrophotometer[16]

Spectrophotometer
- Color consistency for balanced production
- i1 embedded spectrophotomer enables automatic calibration[16]
- Delivers consistent colors to <= 2 dE2000[17]
- Color emulation workflow



Spindleless system
- Fast media load/unload; load in one minute or less
- Front media loading, easy single operator task

Wiper roller
- Get the high-quality results of high-cost materials on lower cost banners and vinyls with the wiper roller

Heavier rolls
- Run unattended—print 100-m (328-ft) length SAV rolls with heavy roll support up to 55 kgs (121 lbs)
- Easy operation with the roll lifter

HP Latex Technology

Technical specifications

Printing	Printing modes	91 m²/hr (980 ft²/hr) - Max Speed (1-pass)
		31 m²/hr (334 ft²/hr) - Outdoor High Speed (4-pass 4-color)
		28 m²/hr (301 ft²/hr) - Outdoor Plus (4-pass)
		23 m²/hr (248 ft²/hr) - Indoor Quality (6-pass)
		14 m²/hr (151 ft²/hr) - Indoor High Quality (10-pass)
		6 m²/hr (69 ft²/hr) - Backlits, Textiles, and Canvas (16-pass)
		5 m²/hr (54 ft²/hr) - High Saturation Textiles (20-pass)
	Print resolution	Up to 1200 x 1200 dpi
	Margins	5 x 5 x 0 x 0 mm (0.2 x 0.2 x 0 x 0 in) (without edge holders)
	Ink types	HP Latex Inks
	Ink cartridges	Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer
	Cartridge size	775 ml
	Printheads	7 (2 cyan/black, 2 yellow/magenta, 1 light magenta/light cyan, 2 HP Latex Optimizer)
	Color consistency[18]	Average <= 1 dE2000, 95% of colors <= 2 dE2000
Media	Handling	Roll feed; take-up reel; wiper roller; roll lifter; automatic cutter (for vinyl, paper-based media, backlit polyester film)
	Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall-coverings, canvas, synthetics, mesh, textiles[19]
	Roll size	254 to 1625-mm (10 to 64-in) rolls (580 to 1625-mm (23 to 64-in) rolls with full support)
	Roll weight	55 kg (121 lb)
	Roll diameter	250 mm (9.8 in)
	Thickness	Up to 0.5 mm (19.7 mil)
Applications	Banners, Displays, Double-sided banners, Exhibition, Event graphics, Exterior signage, Indoor posters, Interior decoration, Light boxes – film, Light boxes – paper, Murals, POP/POS, Posters, Textiles,[19] Vehicle graphics	
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T)
Dimensions (w x d x h)	Printer	2560 x 792 x 1420 mm (101 x 31 x 56 in)
	Shipping	2750 x 1037 x 1689 mm (108 x 41 x 67 in)
	Operating area	2761 x 1792 mm (109 x 71 in)
Weight	Printer	220 kg (485 lb)
	Shipping	330 kg (728lb)
What's in the box	HP Latex 560 Printer, printheads, maintenance cartridge, ink collector, output platen protector, printer stand, roll lifter, take-up reel, loading accessory, user maintenance kit, edge holders, quick reference guide, setup poster, documentation software, power cords	
Environmental ranges	Operating temperature	15 to 30°C (59 to 86°F)
	Operating humidity	20 to 80% RH (non-condensing)
Acoustic	Sound pressure	59 dB(A) (printing); 39 dB(A) (ready); < 15 dB(A) (sleep)
	Sound power	7.3 B(A) (printing); 5.4 B(A) (ready); < 3.5 B(A) (sleep)
Power	Consumption	4 kW (printing); 85 watts (ready); < 3 watts (sleep)
	Requirements	Input voltage (auto ranging) 200 to 240 VAC (-10% +10%) two wires and PE; 50/60 Hz (+/- 3 Hz); two power cords; 13 A max per power cord
Certification	Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Australia and New Zealand (RCM)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI)
	Environmental	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India, Ukraine, Turkey), REACH, EPEAT Bronze, OSHA, CE marking compliant
Warranty	One-year limited hardware warranty	

Ordering information

Product	M0E29A	HP Latex 560 Printer
Accessories	F0M59A	HP Latex 300/500 User Maintenance Kit
	T7U73A	HP Latex 500 Series Wiper Roller
	T7U74A	HP Latex 500 Series Ink Collector
	T7U76A	HP Latex 500 Series Beacon
Original HP printheads	CZ677A	HP 831 Cyan/Black Latex Printhead
	CZ678A	HP 831 Yellow/Magenta Latex Printhead
	CZ679A	HP 831 Light Magenta/Light Cyan Latex Printhead
	CZ680A	HP 831 Latex Optimizer Printhead
Original HP ink cartridges and maintenance supplies	CZ694A	HP 831C 775-ml Black Latex Ink Cartridge
	CZ695A	HP 831C 775-ml Cyan Latex Ink Cartridge
	CZ696A	HP 831C 775-ml Magenta Latex Ink Cartridge
	CZ697A	HP 831C 775-ml Yellow Latex Ink Cartridge
	CZ698A	HP 831C 775-ml Light Cyan Latex Ink Cartridge
	CZ699A	HP 831C 775-ml Light Magenta Latex Ink Cartridge
	CZ706A	HP 831 775-ml Latex Optimizer Ink Cartridge
	CZ681A	HP 831 Latex Maintenance Cartridge
Original HP large format printing materials	HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability.	
	HP Permanent Gloss Adhesive Vinyl REACH[20]	
	HP Backlit Polyester Film ♻[21]	
	HP PVC-free Durable Smooth Wall Paper REACH,[20] FSC® certified,[22] UL GREENGUARD GOLD Certified[23]	
	HP Premium Poster Paper ♻[21] FSC® certified[22]	
	For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.	
Service and support	U9AX7E	HP 2 year Next Business Day with Defective Media Retention HW Support
	U9AY0E	HP 3 year Next Business Day with Defective Media Retention HW Support
	U9AY1PE	HP 1 year Post Warranty Next Business Day with Defective Media Retention HW Support
	U9CR9PE	HP 2 year Post Warranty Next Business Day with Defective Media Retention HW Support
	U9AY2E	HP 2 year Channel Rmt Part with Defective Media Retention HW Support
	U9CS0PE	HP 1 year Post Warranty Channel Rmt Parts with Defective Media Retention HW Support
	M0E29-67087	HP Service Maintenance Kit 3
	M0E29-67085	HP Service Maintenance Kit 1

[18] The color variation inside a printed job has been measured at 10-pass mode on vinyl media within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

[19] Performance may vary depending on media—for more information, see hp.com/go/mediasolutionslocator. For best results, use textiles that do not stretch. The optional ink collector is required for porous textiles.

[20] This product does not contain substances listed as SVHC (155) per Annex XIV of the EU REACH directive published as of June 16, 2014 in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Declaration published at HP Printing Products and Consumable Supplies.

[21] HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See HPLFMedia.com/hp/ecosolutions for details.

[22] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.

[23] UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.

3M™ MCS™ Warranty

4AA6-4187ENE, May 2016

This is an HP Indigo digital print.