



# HP Latex 110 Printer

Easy, affordable access to indoor and outdoor large-format printing



## Start strong with amazing image quality

- Outstanding HP Latex Technology print quality for unlimited indoor and outdoor applications
- See sharp image quality on prints that come out completely dry for same-day delivery—no degassing required
- Impress—with six colors of HP Latex Inks, you can produce amazing, vivid colors and smooth transitions
- Produce professional, high-resolution prints up to 1200 x 1200 native dpi with leading HP Latex Technology

## Say yes to any job up to 54 inches<sup>1</sup>

- Help gain business—produce multiple applications like vinyl, stickers, posters, canvases, and POPs—on one printer
- Deliver with confidence—outdoor prints last up to 5 years laminated, 3 years unlaminated<sup>2</sup>
- Help gain savings by producing quality results even on low-cost uncoated substrates
- Access free professional solutions like HP WallArt software<sup>3</sup> and the Media Certification Program<sup>4</sup>

For more information, please visit  
[hp.com/go/Latex110](http://hp.com/go/Latex110)

Join the community, find tools, and talk to experts.  
Visit the HP Latex Knowledge Center at  
[hp.com/communities/HPLatex](http://hp.com/communities/HPLatex)

## Easy and intuitive operation

- Experience easy operation with the support of online tools and printing software assistance
- Simplify printer operation and save time and space with automatic maintenance and front-loading capabilities
- Replace HP Latex Ink cartridges and printheads yourself; unplug the printer without risk of printhead damage
- Monitor your printer—and print with confidence while you're away—with the free HP Latex Mobile app<sup>5</sup>

<sup>1</sup> The HP Latex 110 Printer produces an extremely broad range of both outdoor and indoor applications from a single device, which surpasses the number of different applications that traditional eco-solvent printers or water-based printers can produce.

<sup>2</sup> Estimates by HP Image Permanence Lab on a range of media. Scratch-resistance comparison based on testing HP Latex Inks and representative hard-solvent inks. Outdoor display permanence tested according to SAE J2527 using HP Latex 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. Laminated display permanence using HP Clear Gloss Cast Overlaminate. Results may vary based on specific media performance.

<sup>3</sup> Requires an HP WallArt account, Internet connection, and connected Internet-capable device. For more information, see [hpwallart.com](http://hpwallart.com).

<sup>4</sup> With the help of the Media Certification Program, you can easily find media certified as compatible with HP Latex Inks from a wide range of recognized media suppliers worldwide. Explore all the new application possibilities with new profit potential for your business using certified media—and reduce the ramp-up time associated with testing media yourself. Find a comprehensive list of all latex compatible media along with finished color profiles and printer settings at [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator).

<sup>5</sup> HP Latex Mobile is compatible with Android™ 4.1.2 or later and iPhone mobile digital devices running iOS 6 or later, and requires the printer and the smart phone to be connected to the Internet. Support for HP Latex 3000 Printer series and tablet devices available as of September, 2015.



## Take advantage of third-generation HP Latex Printing Technologies

Water-based HP Latex Inks combine the best characteristics of solvent inks and water-based inks.

With HP Latex Inks, you can obtain outdoor durability and versatility across all common media types used in graphics applications, together with high-quality, odorless prints, low maintenance, and health advantages<sup>6</sup>—even over eco-solvent inks.

HP Latex printing with the HP Latex 110 Printer can generate higher profit than eco-solvent—gain all the advantages of HP Latex printing, including wider application versatility with a single printer and prints that come out completely dry, allowing same-day delivery. Buy at an affordable price, and help keep your running costs low.

The HP Latex 110 Printer features a number of significant innovations that take you beyond the limits of eco-solvent printing, creating new opportunities to expand your business.



### HP 821 Latex Inks

Take advantage of the versatile, durable performance of HP Latex Inks:

- Scratch resistance—you can consider unlaminated use for short-term signage<sup>7</sup> and reduce reprinting due to damage from handling
- 400-ml HP 821 Latex Ink Cartridges are easy to replace



### HP Latex Optimizer

Achieve high image quality at high speed:

- Interacts with HP Latex Inks to rapidly immobilize pigments on the surface of the print



### HP 831 Latex Printheads

See robust and reliable quality print to print:

- Six HP printheads provide 12,672 nozzles
- HP printhead architecture enables consistent ink drop size



### High-efficiency curing

High-speed printing with less energy and at lower temperatures:<sup>8</sup>

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

<sup>6</sup> 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.

<sup>7</sup> Scratch-resistance comparison based on testing HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

<sup>8</sup> Third-generation HP Latex Printing Technologies, including HP Latex Optimizer, reduce the temperatures and energy requirements of drying and curing HP Latex Inks.



## A healthier workplace<sup>9</sup>

Unlike solvent inks, HP Latex Inks are water based, enabling a healthier workplace.<sup>9</sup>

- Your prints can go everywhere—odorless prints can reach indoor spaces that solvent can't
- No special ventilation is required;<sup>10</sup> HP Latex Inks contain no Hazardous Air Pollutants (HAPs)<sup>11</sup>
- Water-based HP Latex Inks are nickel-free,<sup>12</sup> meet a range of stringent criteria related to human health<sup>13</sup>
- Help gain more business with HP Latex Inks that meet high market standards, like UL ECOLOGO® Certification<sup>13</sup>
- UL GREENGUARD GOLD Certified HP Latex Inks meet standards for low chemical emissions into indoor air during product usage<sup>14</sup>



PRODUCT CERTIFIED  
FOR REDUCED  
ENVIRONMENTAL  
IMPACT. VIEW SPECIFIC  
ATTRIBUTES  
EVALUATED:  
[UL.COM/GG\\_UL\\_2801](http://UL.COM/GG_UL_2801)



PRODUCT CERTIFIED  
FOR LOW CHEMICAL  
EMISSIONS. VIEW SPECIFIC  
ATTRIBUTES  
EVALUATED:  
[UL.COM/GG\\_UL\\_2818](http://UL.COM/GG_UL_2818)

## Designed for easy operation

The HP Latex 110 Printer provides an intuitive user experience. Your printer comes with a setup guide that explains the intuitive, step-by-step setup and installation process. QR codes and online tutorials provide additional help. This is quality HP Latex printing, made easy.

## Improve uptime and productivity with HP Services

HP Services offer you a broad portfolio of proven support programs to help keep your business running productively including HP Care Pack Services, preventive maintenance kits, and HP Support Programs.



### Substrate profiling

Simplified color management, directly from the front panel, 4-inch touchscreen:

- Up to 15 pre-installed generic profiles and HP substrate profile library
- Online substrate library access from the front panel

### Increase your productivity with easy operation

- Intuitive SAI FlexiPrint HP Edition printing software included inbox
- Easy access to how-to videos, from QR codes available in the front panel

### Easy, remote online operator training

- Online self-help learning tools—from the basics on how to start operating the printer to tips such as how to grow your business with new applications
- Online training available along with tools and the opportunity to join the HP Latex Community

### HP Latex Mobile<sup>15</sup>

Print with greater confidence while you're away from the printer:

- Rely on alerts to inform you when attention is needed
- Know the status of your printer while you're away from it
- Remotely keep tabs on print jobs

<sup>9</sup> 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.

<sup>10</sup> Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer—see the Site Preparation Guide for details. Customers should consult state and local requirements and regulations.

<sup>11</sup> HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected.

<sup>12</sup> Nickel free demonstrated according to testing conducted for HP Latex Inks to achieve ECOLOGO® Certification. 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](http://ul.com/EL)).

<sup>13</sup> 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](http://ul.com/EL)).


<sup>14</sup> 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](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

<sup>15</sup> HP Latex Mobile is compatible with Android™ 4.1.2 or later and iPhone mobile digital devices running iOS 6 or later, and requires the printer and the smart phone to be connected to the Internet. Support for HP Latex 3000 Printer series and tablet devices available as of September, 2015.

## Technical specifications

<b>Printing</b>	Printing modes	48 m <sup>2</sup> /hr (517 ft <sup>2</sup> /hr) - Billboard (2 pass) 16 m <sup>2</sup> /hr (174 ft <sup>2</sup> /hr) - Outdoor Plus (6 pass) 12 m <sup>2</sup> /hr (129 ft <sup>2</sup> /hr) - Indoor Quality (8 pass) 10 m <sup>2</sup> /hr (108 ft <sup>2</sup> /hr) - Indoor High Quality (10 pass) 6 m <sup>2</sup> /hr (65 ft <sup>2</sup> /hr) - Backlits, Textiles, and Canvas (16 pass) 5 m <sup>2</sup> /hr (54 ft <sup>2</sup> /hr) - High Saturation Textiles (20 pass)
	Print resolution	Up to 1200 x 1200 dpi
	Ink types	HP Latex Inks
	Ink cartridges	Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer
	Cartridge size	400 ml
	Printheads	6 (2 cyan/black, 2 yellow/magenta, 1 light magenta/light cyan, 1 HP Latex Optimizer)
	Color consistency	<= 2 dE (95% colors) <= 1 dE average <sup>16</sup>
<b>Media</b>	Handling	Roll feed; take-up reel (optional)
	Media types	Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas, synthetics, (fabrics, mesh, textiles and any other porous materials require a liner)
	Roll size	254 to 1371-mm (10 to 54-in) rolls (580 to 1371-mm (23 to 54-in) rolls with full support)
	Roll weight	25 kg (55 lb)
	Roll diameter	180 mm (7.1 in)
	Thickness	Up to 0.5 mm (19.7 mil)
<b>Applications</b>		Banners, Displays, Exhibition and event graphics, Exterior signage, Indoor posters, Interior decoration, Light boxes – film, Light boxes – paper, Murals, POP/POS, Posters, Vehicle graphics
<b>Connectivity</b>	Interfaces (standard)	Gigabit Ethernet (1000Base-T)
<b>Dimensions (w x d x h)</b>	Printer	2307 x 840 x 1380 mm (91 x 33 x 54 in)
	Shipping	2541 x 760 x 1250 mm (100.1 x 30 x 49.3 in)
<b>Weight</b>	Printer	174 kg (384 lb)
	Shipping	257.5 kg (568 lb)
<b>What's in the box</b>		HP Latex 110 Printer, printheads, maintenance cartridge, printer stand, spindle, user maintenance kit, edge holders, quick reference guide, setup poster, documentation software, FlexiPrint HP Edition RIP, power cords
<b>Environmental ranges</b>	Operating temperature	15 to 30°C (59 to 86°F)
	Operating humidity	20 to 80% RH (non-condensing)
	Storage temperature	-25 to 55°C (-13 to 131°F)
<b>Acoustic</b>	Sound pressure	54 dB(A) (printing); < 15 dB(A) (sleep)
	Sound power	7.2 B(A) (printing); < 3.5 B(A) (sleep)
<b>Power</b>	Consumption	2.2 kW (printing); < 2.5 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; 3 A max for printer and 13 A max per curing
<b>Certification</b>	Safety	IEC 60950-1+A1 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), China (CCC), Japan (VCCI), Korea (KC)
	Environmental	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India, Ukraine, Turkey), REACH, EPEAT Bronze, OSHA, CE marking compliant
<b>Warranty</b>		Six-months limited hardware warranty

## Ordering information

<b>Product</b>	M0E30A	HP Latex 110 Printer
<b>Accessories</b>	F0M55A	HP Latex 54-in Printer 2-in Spindle
	F0M59A	HP Latex 3x0 User Maintenance Kit
	F0M61A	HP Latex 54-in Take Up Reel
	F0M64A	HP Latex 3x0 Edge Holders
<b>Original HP printheads</b>	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
<b>Original HP ink cartridges and maintenance supplies</b>	G0Y86A	HP 821 400-ml Cyan Latex Ink Cartridge
	G0Y87A	HP 821 400-ml Magenta Latex Ink Cartridge
	G0Y88A	HP 821 400-ml Yellow Latex Ink Cartridge
	G0Y89A	HP 821 400-ml Black Latex Ink Cartridge
	G0Y90A	HP 821 400-ml Light Cyan Latex Ink Cartridge
	G0Y91A	HP 821 400-ml Light Magenta Latex Ink Cartridge
	G0Y92A	HP 821 400-ml Latex Optimizer Ink Cartridge
<b>Original HP large format printing materials</b>	HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability.	
	HP PVC-free Wall Paper (FSC® and UL GREENGUARD GOLD Certified) <sup>17</sup>	
	HP Permanent Gloss Adhesive Vinyl (REACH compliant) <sup>18</sup>	
	HP Backlit Polyester Film  <sup>19</sup>	
	HP Premium Satin Canvas	
<b>Service and support</b>	For the entire HP Large Format Printing Materials portfolio, please see <a href="http://HPLFMedia.com">HPLFMedia.com</a> .	
	U8PN6E	HP 2 year Next business day Defective Media Retention
	U8PN7E	HP 3 year Next business day Defective Media Retention
	U8TL6PE	HP 1 year Post warranty Next business day Defective Media Retention
	U8PP0PE	HP 2 year Post warranty Next business day Defective Media Retention

<sup>16</sup> The color variation inside a printed job has been measured to be 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 D5014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

<sup>17</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions. 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](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

<sup>18</sup> 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](http://HP Printing Products and Consumable Supplies).

<sup>19</sup> HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

