



# HP Latex R1000 Plus Printer with Tables and Ink

Help grow your business by printing high-value jobs on one device with white<sup>1</sup>, rigid and flexible



## Get amazing colors, rigid and flexible up to 64 in

- Grow your business into higher value rigid/flexible jobs with vibrant HP Latex gamut, media look and feel.
- Gain versatility with HP Latex Ink—from indoor/outdoor signage to thermoforming and high-quality decoration.
- Win more jobs with UL ECOLOGO® Certified, water-based HP Latex Inks that produce odorless prints.<sup>2</sup>

## We've removed the barriers to print with white<sup>1</sup>

- Expand your portfolio into a wide range of applications with glossiest white that resists yellowing.<sup>1</sup>
- No waste between white jobs<sup>3</sup> with removable HP Thermal Inkjet printheads stored in offline rotating chamber.
- You're always ready to print white—automatic recirculation and printhead cleaning eliminate manual purging.

## Manage your peaks in-house with smart printing

- Meet production peaks—get high-speed quality up to 15 outdoor boards/hr<sup>4</sup> with belt system, smart vacuum.
- Help avoid costly operating errors with an easy interface including advanced queuing and multi-board printing.
- Maximize uptime with automatic maintenance and smart service tools for fast diagnosis and issue resolution.
- Maintain control of your production and costs with the help of HP PrintOS software tools.

For more information, please visit <http://www.hp.com/go/LatexRseries>

Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at <https://hplatexknowledgecenter.com/>

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

<sup>1</sup> Glossiest white based on internal HP testing in January, 2018 compared to leading competitive printers with CMYK configuration under \$350,000 USD. Based on level of gloss at 60 degrees on a rigid material (acrylic). Tested using Glossmeter BYK micro-TRI-gloss (20°, 60°, 85°), compatible with ISO 2813 and ASTM D523 relative to glossiness measure.

<sup>2</sup> HP Latex Inks are UL ECOLOGO® Certified. 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 <http://www.ul.com/EL>). There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.

<sup>3</sup> When HP 886 White Latex Printheads are placed in the storage cassettes, no white ink is used for servicing when printheads are not in use.

<sup>4</sup> Outdoor mode 3-pass, 70%. On 4 x 8 ft (1.2 x 2.4 m) boards.

# Technical specifications

<b>Print</b>	
Printing modes	161 ft <sup>2</sup> /hr - Indoor High Quality (12p 120%) 301 ft <sup>2</sup> /hr - Indoor Production (6p 110%) 603 ft <sup>2</sup> /hr - Outdoor (3p 70%) 269 ft <sup>2</sup> /hr - White Spot (100%) 118 ft <sup>2</sup> /hr - White Overflow (100%) 39 ft <sup>2</sup> /hr - 3 layers day & night <sup>1</sup>
Print resolution	Up to 1200 x 1200 dpi
Ink types	Water-based HP Latex Inks
Ink cartridges	9 (cyan, magenta, yellow, black, light cyan, light magenta, HP Latex Optimizer, HP Latex Overcoat, white)
Cartridge size	3 L
Printheads	8 (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimizer, 2 white)
Long-term print-to-print repeatability	Average ≤ 1.0 dE2000, 95% of colors ≤ 2 dE2000 <sup>2</sup>
<b>Media</b>	
Handling	Flatbed, sheet feed, roll feed, vacuum belt media drive for easy loading and accurate media advance
Media types	Rigid substrates: paper foamboard, plastic foamboard, PVC foam, plastic corrugated, acrylic, polycarbonate, polystyrene, compressed cardboard, corrugated board, honeycomb board, aluminum composite panel, wood, glass, ceramic; Roll substrates: PVC banner, self-adhesive vinyl, coated paper, polypropylene, polystyrene, polycarbonate, polyester, textile (non porous), canvas, leather
Rigid media size	11.7 x 16.5 in to 64 x 48 in (up to 64 x 120 in with two sets of optional extension tables)
Roll size	24 to 64 in
Roll weight	Up to 150 lb
Roll diameter	Up to 9.8 in
Thickness	Up to 2 in
Applications	Signage: indoor, flat, backlit, thermoformed; Decoration: wall coverings, window decoration; Vehicle decoration: fleet graphics, wraps, decals; Textile: soft signage, frontlit, backlit; POS and Packaging: corrugated displays, short-run customized packaging, prototyping
<b>Connectivity</b>	
Interfaces	Gigabit Ethernet (1000Base-T)
<b>Dimensions (w x d x h)</b>	
Printer	166 x 80 x 69 in (printer); 166 x 143 x 69 in (including standard input and output tables)
Shipping	174 x 88 x 85 in
Operating area	21.7 x 19.8 x 9.8 ft
<b>Weight</b>	
Printer	3086 lb
Shipping	5291 lb
What's in the box	HP Latex R1000 Printer; HP Latex R Series White Upgrade Accessory Kit; HP Latex R1000 Roll Printing Accessory Kit with 64-in spindles (x2) and pneumatic gun adapter and table top roll holders (x2); HP 886 Latex Printheads; HP Latex Ink Cartridges; HP Latex Printhead Cleaning Kit; standard input and output tables; HP Latex R1000 Extension Tables; foot switch; HP Internal Print Server and displays (x2); printer maintenance kit; warranty and intro docs
<b>Environmental ranges</b>	
Operating temperature	59 to 86°F
Operating humidity	20 to 70% RH (non-condensing)
<b>Power</b>	
Consumption	8 to 10 kW (typical)
<b>Certification</b>	
Safety	IEC 60950-1+A1+A2 compliant; United States and Canada (CSA listed); EU (LVD and MD compliant, EN60950-1, EN12100-1, EN ISO13849-1, EN60204-1, and EN10101-1); Russia, Belarus and Kazakhstan (EAC), Australia, New Zealand (RCM)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)
Environmental	WEEE; RoHS (EU, China, Korea, Singapore, Turkey, Ukraine); India Waste Management Rules; REACH; CA 65 Prop; ErP Ecodesign Directive
Warranty	180-day limited hardware warranty. Warranty may vary by country as required by law. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP service and support options in your region.

# Ordering information

<b>Product</b>	
4QA89A	HP Latex R1000 Plus Printer with Tables and Ink
<b>Accessories</b>	
D9Z41B T7V21A V6V16A	HP Large Format Onyx Thrive RIP Software HP Latex R1000 Extension Tables HP Latex R Series Edge Holders Kit
<b>Original HP printing supplies</b>	
G0Z00A G0Z01A G0Z02A G0Z03A G0Z04A G0Z05A G0Z06A G0Z07A G0Z08A G0Z09A G0Z21A G0Z22A G0Z24A	HP 886 Latex Printhead Cleaning Kit HP 872 3-liter Cyan Latex Ink Cartridge HP 872 3-liter Magenta Latex Ink Cartridge HP 872 3-liter Yellow Latex Ink Cartridge HP 872 3-liter Black Latex Ink Cartridge HP 872 3-liter Light Cyan Latex Ink Cartridge HP 872 3-liter Light Magenta Latex Ink Cartridge HP 872 3-liter Optimizer Latex Ink Cartridge HP 872 3-liter Overcoat Latex Ink Cartridge HP 886 3-liter White Latex Ink Cartridge HP 886 White Latex Printhead HP 886 Optimizer Latex Printhead HP 886 Latex Printhead

<b>Original HP large format printing materials</b>	
HP Premium Removable Gloss Adhesive Vinyl HP Permanent Gloss Adhesive Vinyl HP Durable Backlit Fabric (Take-back program) <sup>3</sup> HP Backlit Polyester Film (Take-back program) <sup>3</sup>	

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

<b>Service and Support</b>	
If you want to extend the support beyond what's included: HOHX4AC HP Standard Service, Maintenance and Support extension contract HOJR1AC HP Enhanced Service, Maintenance and Support extension contract UA5W05 HP Latex R series Level 3 Train to repair and maintain – 5 days training at HP UA3Q7E 3 Years Next Business Day with Defective Media Retention for HP Latex R1000 Plus K0Q45-67269 HP Latex R series Expert spare parts uptime kit	

# ECO highlights

- Better for print operations—no hazard warning labels or HAPs, no special ventilation needed<sup>1</sup>
- Better for the environment—HP designs end-to-end sustainability into large-format printing
- Water-based inks produce odorless prints<sup>2</sup>
- HP Latex inks are UL ECOLOGO® and UL GREENGUARD GOLD Certified<sup>3</sup>

Please recycle large-format printing hardware and printing supplies. Find out how at our website: <http://www.hp.com/ecosolutions>

<sup>1</sup> Contains no Hazardous Air Pollutants according to EPA Method 311. 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. Contains no Hazardous Air Pollutants according to EPA Method 311.

<sup>2</sup> There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.

<sup>3</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 <http://www.ul.com/EL>). UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to ULs GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit <http://www.ul.com/gg> or <http://www.greenguard.org>.

<sup>1</sup> Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.  
<sup>2</sup> Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard D5 014-6/E:2012. Backlit substrates measured in transmission mode may yield different results.  
<sup>3</sup> Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the HP Large Format Media take-back program. Programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.