HP Latex R1000 Plus Printer

Help grow your business by printing high-value jobs on one device with white[1], rigid and flexible

2020 EDITION

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.[2]

We've removed the barriers to print with white[1]

- Expand your portfolio into a wide range of applications with glossiest white that resists yellowing.[1]
- No waste between white jobs[3] 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[4] 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/

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[1] Glossiest white based on internal HP testing in January, 2018 compared to the HP Scitex FB750/FB550 Printer using UV-curable ink technology. White ink measured for the 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. High opacity and resists yellowing over time based on internal HP WeatherOmeter testing October, 2017 with 1 dot-per-pixel HP Latex Overcoat, on a range of rigid and flexible unlaminated substrates. Yellowing based on L* and B* of white underflood samples.
[2] 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.
[3] 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.
[4] Outdoor mode 3-pass, 70%. On 4 x 8 ft (1.2 x 2.4 m) boards.

Technical specifications

Print

Printing modes	15 m²/hr – Indoor High Quality (12p 120%) 28 m²/hr – Indoor Production (6p 110%) 56 m²/hr – Outdoor (3p 70%) 25 m²/hr – White Spot (100%) 11 m²/hr – White Overflood (100%) 3.6 m²/hr – 3 layers day & night[1]
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[2]

Media

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	297 x 420 mm to 1625 x 1220 mm (up to 1625 x 3050 mm with two sets of optional extension tables)
Roll size	60.9 cm to 1.63 m
Roll weight	Up to 68 kg
Roll diameter	Up to 25 cm
Thickness	Up to 50.8 mm
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

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)

Dimensions (w x d x h)

Printer	4.21 x 2.04 x 1.75 m (printer); 4.21 x 3.64 x 1.75 m (including standard input and output tables)
Shipping	4.43 x 2.24 x 2.15 m
Operating area	6.61 x 6.03 x 3 m

Weight

Printer	1400 kg
Shipping	2400 kg
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 Printhead Cleaning Kit; standard input and output tables; foot switch; HP Internal Print Server and displays (x2); printer maintenance kit; warranty and intro docs

Environmental ranges

Operating temperature	15 to 30ºC
Operating humidity	20 to 70% RH (non-condensing)

Power

Consumption	8 to 10 kW (typical)

Certification

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 EN1010-1); 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 http://www.hp.com/support to learn about HP service and support options in your region.

Ordering information

Product

K0Q45A	HP Latex R1000 Plus Printer

Accessories

D9Z41B	HP Large Format Onyx Thrive RIP Software
L5E74C	HP Large Format Caldera Grand RIP Software
T7V21A	HP Latex R1000 Extension Tables
Y6V16A	HP Latex R Series Edge Holders Kit

Original HP printing supplies

G0Z00A	HP 886 Latex Printhead Cleaning Kit
G0Z01A	HP 872 3-liter Cyan Latex Ink Cartridge
G0Z02A	HP 872 3-liter Magenta Latex Ink Cartridge
G0Z03A	HP 872 3-liter Yellow Latex Ink Cartridge
G0Z04A	HP 872 3-liter Black Latex Ink Cartridge
G0Z05A	HP 872 3-liter Light Cyan Latex Ink Cartridge
G0Z06A	HP 872 3-liter Light Magenta Latex Ink Cartridge
G0Z07A	HP 872 3-liter Optimizer Latex Ink Cartridge
G0Z08A	HP 872 3-liter Overcoat Latex Ink Cartridge
G0Z09A	HP 886 3-liter White Latex Ink Cartridge
G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimizer Latex Printhead
G0Z24A	HP 886 Latex Printhead

Original HP large format printing materials

HP Premium Removable Gloss Adhesive Vinyl
HP Permanent Gloss Adhesive Vinyl
HP Durable Backlit Fabric (Take-back program)[3]
HP Backlit Polyester Film (Take-back program)[3]

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

4BS24A/K0Q45-67270 HP Latex R Series Cleaning Kit
2WM39A/K0Q45-67267 HP Latex R Series Uptime Kit
2WM40A/K0Q45-67269 HP Latex R Series Expert Kit
2WP87A/K0Q45-67268 HP Latex R Series Reseller Kit
K0Q45-67272 HP Latex R Series Service Maintenance Kit
K0Q45-67273 HP Latex R Series White Service Maintenance Kit

ECO highlights

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

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

[1] 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.
[2] 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.
[3] 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 UL's 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.

[1] Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] 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. Backlit substrates measured in transmission mode may yield different results.
[3] 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.