HP Latex R1000 Printer series

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

Get amazing colours, rigid and flexible up to 64 in (1.6 m)

- Move to higher value jobs with vibrant HP Latex gamut with media gloss and feel, and prints with no smell.[2]
- Simplify the workflow, get one look across rigid and flexible campaigns, and say goodbye to print and mount.
- Gain versatility with a single set of inks for scratch resistance and flexibility with HP Latex Overcoat.[3]

Expand with white[1], we've removed the barriers

- Expand with white[1], we've removed the barriers
- Glossiest white on transparent and coloured media with high-opacity white that resists yellowing over time.[1]
- Automatic maintenance makes white like any other colour, including automatic recirculation and nozzle checks.

Manage your peaks in-house with smarter printing

- No need to outsource with high-speed quality up to 6.4 indoor/12 outdoor boards/hr[5], continuous loading.
- Easy printing helps avoid costly mistakes with automatic maintenance, smart vacuum, and assisted loading.
- Maximise uptime with HP Smart Services experience with proactive and preventive HP Managed Services.

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/

[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 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. White ink capability may be optional, requiring purchase of the HP White Ink Option Kit.
[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] HP Latex Overcoat improves scratch resistance on low-cost prints where lamination may be impractical or too expensive. Scratch resistance based on internal HP testing in January, 2018 demonstrating equivalent scratch-resistance performance for prints produced with HP Latex Inks for the HP Latex R Printer series and HP Latex Inks for the HP Latex 1500 Printer that provide scratch resistance comparable to representative hard-solvent inks on self-adhesive vinyl and PVC banner. Estimates by HP Image Permanence Lab on a range of media.
[4] 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.
[5] Indoor Production mode 6-pass, 110%. Outdoor mode 3-pass, 70%.

Technical specifications

Print

Printing modes	16 m²/hr (172 ft²/hr) - Indoor High Quality (12p 120%) 30 m²/hr (322 ft²/hr) - Indoor Production (6p 110%) 60 m²/hr (644 ft²/hr) - Outdoor (3p 70%) 11 m²/hr (122 ft²/hr) - White Overflood (100%) 27 m²/hr (295 ft²/hr) - White Spot (100%)[1]
Print resolution	Up to 1200 x 1200 dpi
Ink types	HP Latex Inks
Ink cartridges	9 (cyan, magenta, yellow, black, light cyan, light magenta, HP Latex Optimiser, HP Latex Overcoat, white[3])
Cartridge size	3 L
Printheads	8 (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimiser, 2 white[3])
Long-term print-to-print repeatability	Average ≤ 1.0 dE2000, 95% of colours ≤ 2 dE2000[2]

Media

Handling	Flatbed, sheet feed, roll feed[3], 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
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) (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	60.9 cm to 1.63 m³ (24 to 64 in³)
Roll weight	Up to 68 kg³ (Up to 150 lb³)
Roll diameter	Up to 25 cm³ (Up to 9.8 in³)
Thickness	Up to 50.8 mm (Up to 2 in)

Applications

	Exhibition and event graphics; Exterior signage; Interior decoration; POP/POS; Short-run packaging; Textile; Vehicle graphics

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) (166 x 80 x 69 in (printer); 166 x 143 x 69 in (including standard input and output tables))
Shipping	4.43 x 2.24 x 2.15 m (174 x 88 x 85 in)
Operating area	6.61 x 6.03 x 3 m (21.7 x 19.8 x 9.8 ft)

Weight

Printer	R1000 Plus: 1400 kg; R1000: 1258 kg (R1000 Plus: 3086 lb; R1000: 2773 lb)
Shipping	R1000 Plus: 2400 kg; R1000: 2258 kg (R1000 Plus: 5291 lb; R1000: 4978 lb)
What's in the box	HP Latex R1000 Printer; HP Latex R Series White Upgrade Accessory Kit[3]; HP Latex R1000 Roll Printing Accessory Kit with 64 in spindles (x2) and pneumatic gun adapter and table top roll holders (x2)[3]; 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 (59 to 86ºF)
Operating humidity	20 to 70% RH (non-condensing)

Power

Consumption	8 to 10 kW (typical)

Certification

Safety	IEC 60950-1+A1+A2 compliant; EU (LVD and MD compliant, EN60950-1, EN12100-1, EN ISO13849-1, EN60204-1, and EN1010-1); Russia, Belarus and Kazakhstan (EAC)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	WEEE; RoHS (EU, Turkey, Ukraine); REACH; ErP Ecodesign Directive
Warranty	1 year Maintenance and Support coverage: Six-month limited hardware warranty; 6 months HP Standard Service, Maintenance and Support. 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
K0Q47A	HP Latex R1000 Printer

Accessories

5HW46A	HP Latex R Series White Upgrade Kit
T7V20A	HP Latex R1000 Roll Printing Kit
T7V21A	HP Latex R1000 Extension Tables
Y6V16A	HP Latex R Series Edge Holders Kit

Original HP printing supplies

G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimizer Latex Printhead
G0Z24A	HP 886 Latex Printhead
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

Service and Support

If you want to extend the support beyond what's included:
H0HX4AC HP Standard Service, Maintenance and Support extension contract
H0JR1AC 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 localised ventilation needed.[1]
- Better for the end-customer, more differentiation – odorless prints[2] go where solvent, UV can't.
- Better for the environment – HP designs end-to-end sustainability into large-format printing.
- 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 hp.com/ecosolutions

[1] Contains no Hazardous Air Pollutants according to EPA Method 311. Localised ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Localised 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.
[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 colour target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. Back-lit substrates measured in transmission mode may yield different results.
[3] Optional on the R1000 Printer, and included by default on the R1000 Plus Printer.
[4] Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.

3M™ MCS™ Warranty   HP Water-Based Ink technology   COLOR   JDF

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