HP Latex 830 W Printer

Maximize productivity and deliver high-value jobs with consistent quality



*Product image may differ from actual product

CONSISTENT QUALITY—Produce high-value applications

- Deliver stunning prints with uniform colors via precise HP Pixel Control ink mixing and distribution.
- Achieve consistent quality across jobs and create color profiles with the HP Embedded Spectrophotometer.
- With HP Latex Inks, print a wide range of signage and décor jobs, now with automated double-sided printing[1].
- Expand into profitable new applications with the easiest white ink experience[2], 30% faster[3] in underflood, 3 layers and 5 layers.

ENHANCED PRODUCTION—Optimize productivity and cost

- Reduce inventory management with universal printheads and the new 50% extended life maintenance cartridge[4].
- Help reduce running costs with 3-liter HP ink cartridges that you can change while the printer runs.
- Reach production speeds up to 388 ft² (36 m²)/hour[5] and avoid waiting times with prints that dry instantly.
- Streamline your print workflow with our intuitive end-to-end software solution: HP PrintOS Production Hub.[6]

LEAD THE WAY—Win with sustainable solutions

- Create a comfortable workspace[7] with odorless prints[8] and UL ECOLOGO®-certified[9] HP Latex Inks.
- Advance your sustainability journey with our unique HP PrintOS Sustainability Amplifier[10] software.
- Reduce plastic waste with returnable supplies via HP Planet Partners[11]—including new maintenance cartridge.
- Stand out in the market with the only EPEAT Climate+[12] registered printers in the signage industry.

Messaging Footnotes

[1] Automated double-sided printing compatible with PVC-free media.
[2] Automatic White Ink Recirculation System between the HP Latex 832 Ink Mix and HP 832/873 White Latex Ink Cartridge. When not printing with white ink remove the white printheads from the carriage and store them in the offline rotation chamber, avoiding unnecessary white ink waste. White print modes (spot, underflood, overflood, 3 layers, and 5 layers) are available with white ink densities up to 260%.
[3] Faster white ink printing in underflood, 3 layers and 5 layers white modes compared to HP Latex 700 and 800 Printer series thanks to new drying system with extra drying capacity. Test conducted in January 2025.
[4] At least 50% more life thanks to a 40% longer cleaning cloth and new ink collection unit that uses 100% of the cleaning cloth compared to previous maintenance cartridge model.
[5] Draft mode (4-pass, 4 color, 90% ink density). Based on internal HP testing in January 2025 on Avery 3001. Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.
[6] For HP's large-format printers, HP PrintOS Production HUB is compatible with HP Latex printers and the HP Stitch Printer series. HP PrintOS Production HUB premium features are only accessible when purchasing an HP Professional Print Service Plus Plan.
[7] Based on odor sensory evaluation when printing with the HP Latex 630 series printer and Mimaki UJV 100-160. Tests done in a 57 m² room with 5ACH. Test conducted by Odournet following the standard VDI3882, where the HP Latex 630 series air quality were characterized, when Printing, as "neutral" for hedonic tone compared to the Mimaki UJV 100-160. HP Latex 730/830 printers are using the same inks and are in the same category as the HP Latex 630.
[8] Applicable to HP Latex Inks. Based on sensory evaluations conducted by Odournet, done according to VDI Guideline 3882 where 832 inks were characterized as "weak" in odor intensity and "neutral" for hedonic tone. 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.
[9] UL ECOLOGO® Certified HP 832 inks meet a range of stringent human health and environmental considerations. For certifications, see www.ul.com/EL and www.ul.com/gg
[10] The HP Sustainability Amplifier program helps customers reduce their environmental impact through self-assessment, resources, and recognition with an HP badge, not an official eco-label. Recognition is subject to approval for credibility. Program is only available in English.
[11] Program availability varies. For details, see hp.com/hprecycle
[12] The HP Latex 730 and 830 series is EPEAT Gold in the U.S. and Canada and has achieved EPEAT Climate+. See www.epeat.net for registration status and tier levels by country. As of January 2025, no other competitors in the signage market have been registered in EPEAT.

HP Pixel Control | HP Embedded Spectrophotometer

Datasheet

Technical specifications

Print

Print speed	387 ft²/hr – Draft (4-pass) in Banner[1]; 269 ft²/hr – Speed (6-pass)[2]; 215 ft²/hr - Standard (8-pass)[2]; 183 ft²/hr - Quality (12-pass)[2]; 118 ft²/hr - High Quality (16-pass)[2]; 183 ft²/hr - White Spot 60w[2]; 96 ft²/hr - White Overflood 60w[2]; 47 ft²/hr - White Underflood 100w[2]; 32 ft²/hr - White 3 layers 160w[2]; 16 ft²/hr - White 5 layers[2]
Print resolution	Up to 1200 x 1200 dpi
Technology	HP Latex Printing Technologies
Ink types	Water-based HP Latex Inks
Ink cartridges	9 (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Optimizer, Overcoat) cartridges
Cartridge size	3 L per cartridge
Printheads	10 (7 HP Latex Printhead, 1 HP Latex Optimizer, 2 HP Latex White Printhead)

Scan and copy

Media

Applications	Banners; Displays; Exhibition and event graphics; Exterior signage; Indoor posters; Interior decoration; Light boxes - film; Light boxes - paper; Murals; POP/POS; Posters; Textile; Vehicle graphics; Window graphics; Stickers
Handling	Roll feed, take-up reel, wiper roller[3], media saver, automatic horizontal cutter (for vinyl, banner and canvas[4], paper-based media, and film)
Maximum media width	64 in
Media rolls	1
Roll size	16.5 to 64-in rolls (23 to 64-in rolls with full support)
Maximum roll weight	121 lb
Maximum roll diameter	9.8 in;
Standard media sizes supported	24", 36", 42", 54", 60", 64"
Thickness	19.7 mil
Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall coverings, canvas, synthetics, mesh, textiles[5]

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)

Dimensions (W x D x H)

Product	101.7 x 34.1 x 55.2 in
Shipping	108.4 x 43.3 x 65.6 in
Operating area	110 x 82.7 in

Weight

Product	661 lb
Shipping	976 lb

Included

What's in the box	HP Latex 830 W Printer, printheads, maintenance cartridge with ink collection unit, additional ink collection unit, Condensation collector kit, power cords, Beacon accessory, manual purge syringe kit, dry bag for white ink purge, user maintenance kit, edge holders, 2-in spindle adaptor, lubrication felts kit, quick reference guide, documentation software, spanner size 17, screwdriver t-25

Environmental ranges

Operating temperature	59° to 86° F
Operating humidity	20 to 80% RH (non-condensing)

Acoustics

Sound pressure	Printing: 60 dB(A) (operating), 38 dB(A) (idle), <20 dB(A) (sleep)
Sound power	Printing: 7.8 B(A) (operating), 5.5 B(A) (idle), <4.0 B(A) (sleep) H

Power

Consumption	1.5-2.5 kW (5 kW peak) (printing), 95 W (ready)
Requirements	Input voltage (auto ranging) 200-240 V two wires and PE; 50/60 Hz (±3 Hz); two power cords; 16 A max per power cord

Certification

Safety	IEC 60950-1+A1+A2 compliant; IEC 62368-1 compliant; USA and Canada (CSA listed); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC), China (CCC)
Environmental	ENERGY STAR®, RoHS (WEEE, EU, EAEU, China, Korea, India, Ukraine, Turkey), REACH, EPEAT, OSHA, CE marking compliant, Meets AgBB criteria, French VOC A+, UL GREENGUARD Gold, UL ECOLOGO
Warranty	One-year limited hardware warranty

Ordering information

Product	
870C0A	HP Latex 830 W Printer

Accessories	
21V10A	HP Latex 600/700/800 Series User Maintenance Kit
421S3A	HP Latex 600/700/800 Series Substrate Saver Accessory
7HR18A	HP Latex 700/800 Series Ink Collector Foams Kit
7HR19A	HP Latex Substrate Loading Accessory
A14CFA	HP Latex 730/830 Wiper Roller Installation Kit
A4AN0A	HP Latex 730/830 Textile Kit Accessory
A4AN1A	HP Latex Edge Holders Accessory
T7U73A	HP Latex 700/800 Series Wiper Roller

Original HP printing supplies	
4UU93A	HP 836 White Latex Printhead
4UU94A	HP 836 Optimizer Latex Printhead
4UU95A	HP 836 Universal Latex Printhead
4UV62A	HP 873 3-liter White Latex Ink Cartridge
4UV84A	HP 873 3-liter Black Latex Ink Cartridge
4UV85A	HP 873 3-liter Cyan Latex Ink Cartridge
4UV86A	HP 873 3-liter Magenta Latex Ink Cartridge
4UV87A	HP 873 3-liter Yellow Latex Ink Cartridge
4UV88A	HP 873 3-liter Light Cyan Latex Ink Cartridge
4UV89A	HP 873 3-liter Light Magenta Latex Ink Cartridge
4UV90A	HP 873 3-liter Optimizer Latex Ink Cartridge
4UV91A	HP 873 3-liter Overcoat Latex Ink Cartridge
9T063A	HP 838 Latex Maintenance Cartridge
9T064A	HP 833/838 Latex Ink Collection Unit (2-unit pack)

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

Original HP large format printing materials

HP PVC-free Wall Paper (REACH compliant[6], UL **GREENGUARD** Gold Certified[7], FSC® certified[8], meets AgBB criteria[9], CE[10], UKCA[11], PVC-free[12],)
HP Permanent Gloss Adhesive Vinyl (REACH compliant[6])
HP Prime Matte Air GP (REACH compliant[6])
HP Recycled[13] Satin Canvas, 3-in Core (Latex/solvent) (REACH compliant[6])
HP Recycled[14] Removable Adhesive Fabric, 3-in Core (Latex/solvent)
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

UG9K3E HP 2 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K4E HP 3 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K5E HP 4 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K6E HP 5 year PLUS Service Plan for HP Latex 830 White (In Warranty)
UG9K7PE HP 1 year Post Warranty PLUS Service Plan for HP Latex 830 White
UG9K8PE HP 2 year Post Warranty PLUS Service Plan for HP Latex 830 White
HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

[1] Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] Printmode names in color modes are based on Self-Adhesive Vinyl applications. Names and Print speeds may vary due to the adaptive printing mechanism to avoid image quality defects and the application you produce.
[3] Wiper roller is an optional accessory.
[4] Automatic horizontal cutter is for use with thinner banners and canvas only. It is recommended to perform a test.
[5] Textile Kit Accessory required for long runs of textile and porous textile.
[6] See the HP REACH Declaration published at https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05996997
[7] UL GREENGUARD Gold Certified prints - HP PVC-free Wall Paper printed with Original HP Latex Inks is UL GREENGUARD Gold Certified. 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.
[8] FSC®certified - HP has a policy for offering Forest Stewardship Council® (FSC®)-certified papers that are sourced from FSC®-certified forests and other controlled sources. 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.
[9] AgBB - HP PVC-free Wall Paper printed with HP Latex Inks meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products. See umweltbundesamt.de/en/topics/health/commissions-working-groups/committeefor-health-related-evaluation-of-building.
[10] CE mark - Self-declared according to European Standard EN15102.
[11] UKCA compliant - Self-declared according to European Standard EN15102 and UKCA.
[12] PVC-free alternative - Based on HP internal and third-party testing chemical analysis that demonstrates elemental chlorine to be at or below 200 ppm. Presence of chlorine is attributed to residual chlorine used in the paper-making process, and not due to the presence of PVC.
[13] Product consists of PET fabric and coatings. 62% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin.
[14] Product consists of PET fabric and coatings. With liner attached, 69% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin.

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