HP Stitch S500 64-in Printer

The robust, efficient printer for highly demanding dye sub users[1]

*Product image may differ from actual product

Enjoy reliable, unattended printing

- Print an entire shift unattended or overnight with the largest media rolls[2] and large ink supplies.
- Get reliable image quality with 2xCMYK printheads and automatic compensation of up to 30% nozzles out.[1]
- Reduce telescoping and manual media adjustments with the tension sensing winder and media advance sensor.
- Rely on color consistency from printer to printer.[2]

Optimize your uptime with easy maintenance

- Reduce downtime and service costs. For the first time, you can replace the printheads yourself.[2]
- Stay ready to print outstanding quality, and reduce manual interventions, with automatic maintenance.
- Simplify and control your print operations and maximize uptime with HP Service and HP PrintOS.

Perfect for fleet environments

- Double your unattended printing capacity without increasing your production space.[2]
- Efficiently manage your fleet, and remotely monitor printer status and ink and substrate use, with HP PrintOS.
- Easily observe the status of your printer—at a glance and from afar—with the highly visible beacon.

Dynamic security enabled printer. Contains technology that may prevent cartridges with non-HP chips or circuitry from working now or in the future. More at: http://www.hp.com/learn/ds

Messaging Footnotes

[1] Reliable image quality enabled with 2xCMYK printheads and automatic compensation of up to 30% nozzles out based on internal HP testing, July 2020. Unattended printing enabled by large media rolls and large ink supplies.
[2] Compared to alternative 64-inch dye-sublimation based textile printers available as of June, 2020. Largest rolls up to 121 lb (55 kg). The HP Stitch S Printer series provides HP SmartColor tools and a built-in spectrophotometer for color consistency. Front media loading saves 50% floor space.

For more information, please visit http://www.hp.com/go/stitchs500

Datasheet

Technical specifications

Print

Print speed	110 m²/hr - Max Speed (1-pass); 62 m²/hr - Production Fast (2-pass); 43 m²/hr - Production Quality (3-pass); 34 m²/hr - Quality (4-pass); 22 m²/hr - High Quality (6-pass);
Print resolution	Up to 1200 x 1200 dpi
Technology	HP Dye Sub Printing Technologies
Margins (roll)	5 x 5 x 0 x 0 mm (without edge holders);
Ink types	HP Dye Sub Inks
Print Cartridges/Bottle, Number	4 (cyan, magenta, yellow, black)
Print cartridge/bottle volume	3 L, 775 ml
Ink drop	12 pl
Printheads	8 HP Thermal Inkjet (4 cyan/black, 4 magenta/yellow)
Long-term print-to-print repeatability	Average ≤ 1 dE2000, 95% of colors ≤ 1.5 dE2000[1]

Media

Applications	Interior decoration; Fashion; Sportswear; Soft signage
Handling	Roll feed, take-up reel, automatic cutter (for transfer media)
Media rolls	1
Roll size	580 to 1625-mm rolls;
Maximum roll weight	55 kg;
Maximum roll diameter	250 mm;
Maximum media width	1625 mm;
Thickness	Up to 0.5 mm;
Media types	Sublimation transfer papers, sublimation polyester fabrics, sublimation film

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)

Dimensions (W x D x H)

Product	2550 x 810 x 1420 mm;
Shipping	2740 x 1070 x 1700 mm;

Weight

Product	235 kg;
Shipping	431 kg;

Included

What's in the box	HP Stitch S500 64-in Printer, printer stand, printheads, maintenance cartridge, take-up reel, 2-in adaptor kit, beacon light, ink collector, loading accessory, edge holders, user maintenance kit, waste bottle, quick reference guide, setup poster, documentation software, power cords

Environmental ranges

Operating temperature	15 to 30ºC ;
Operating humidity	20 to 80% RH (non-condensing)[2]

Acoustics

Sound pressure	Printing: 55 dB(A) (operating), 38 dB(A) (idle), <16 dB(A) (sleep)
Sound power	Printing: 7.3 B(A) (operating), 5.6 B(A) (idle), <3.5 B(A) (sleep)

Power

Consumption	1 kW (printing); 80 W (ready); < 2 W (sleep)
Requirements	Input voltage (auto ranging) 200-240 V (±10%) two wires and PE; 50/60 Hz (±3 Hz); one power cord; 13 A max. Not dual voltage, power supply varies by part number with # Option code identifier.

Certification

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

Ordering information

Product

2ET73A	HP Stitch S500 64-in Printer

Accessories

5JX30A	HP Stitch S300/S500 Ink Collector
5QG59A	HP Ergosoft Pro RIP Color Edition
5QG72A	HP Stitch S300/S500 User Maintenance Kit
F0M64A	HP Series 300/500 Edge Holder Kit
T7U74A	HP Series 300/500 Ink Collector Foam Kit

Original HP printing supplies

2LL53A	HP 624 775-ml Black Stitch Dye Sublimation Ink Cartridge
2LL54A	HP 624 775-ml Cyan Stitch Dye Sublimation Ink Cartridge
2LL55A	HP 624 775-ml Magenta Stitch Dye Sublimation Ink Cartridge
2LL56A	HP 624 775-ml Yellow Stitch Dye Sublimation Ink Cartridge
2LL57A	HP 636 3-liter Black Stitch Dye Sublimation Ink Cartridge
2LL58A	HP 636 3-liter Cyan Stitch Dye Sublimation Ink Cartridge
2LL59A	HP 636 3-liter Magenta Stitch Dye Sublimation Ink Cartridge
2LL60A	HP 636 3-liter Yellow Stitch Dye Sublimation Ink Cartridge
2LL61A	HP 614 Stitch Dye Sublimation Printhead Cleaning Kit
2LL62A	HP 614 Cyan and Black Stitch Dye Sublimation Printhead
2LL63A	HP 614 Magenta and Yellow Stitch Dye Sublimation Printhead

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

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] The color variation inside a printed job has been measured at 6-pass mode on transfer media and also in direct-to-fabric situations within this limit: maximum color difference (95% of colors) ≤ 1.5 dE2000. 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. 5% of colors may experience variations above 1.5 dE2000. Backlit substrates measured in transmission mode may yield different results. Results are dependent on sublimation process variability.

[2] Papers are hygroscopic materials. They can absorb or lose moisture depending on external humidity conditions. A low level of substrate's moisture and external relative humidity is always recommended when printing on paper based materials. Recommended external relative humidity is between 25% to 50%.