

SP400X Imprinter

Powerful performance for logistic operations



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The SP400X™ is the first and only scan-and-print solution to integrate 2-D imaging, inkjet printing and wireless communication in one device. It's designed to simplify high-volume logistic operations centers and postal services that use manual scanning and labeling to sort packages.

The SP400X is an ideal solution for warehousing, package delivery and other logistic-type industries. This portable, robust, easy-to-use and high-performance printing solution prints directly to packages or other surfaces, eliminating the cost and time required for separate printed labels.

The SP400X is based on patents and technology that is licensed from HP, a global leader in printing and imaging. And, the device uses genuine HP inkjet cartridges, assuring a clean and highly-legible print each and every time.

The lightweight SP400X can complete more than 1,250 scans and prints per hour, scanning and printing at speeds as fast as two seconds per cycle. It operates on a lithium-ion battery capable of delivering up to 7,000 scans and prints per charge. Its 2.5 cm cube print cartridges are designed to output thousands of 0.53" x 2" (1.5 cm x 6 cm) prints. Wi-Fi compatibility integrates the device seamlessly into existing IT environments, allowing it to communicate directly with your back-end system in real time. And for ultimate efficiency, the SP400X prints directly onto packaging, so it costs less and produces less waste than thermal label printing.

To operate the device, a user aims the SP400X's scanner at a 1-D or 2-D barcode, postal code or OCR code to capture supply-chain management information. The SP400X's integrated Wi-Fi sends the imaging data to a warehouse-management system and receives data sent back to the device. Once the new information is received, the user rolls the SP400X across the area to be printed, and the device applies a fast-drying, smudge-free, non-toxic image directly onto any package surface: plain paper, kraft paper, packing tape, coated labels, polypropylene, polyester or polyethylene plastic.

The SP400X Imprinter features a design optimized for ease of use, with hypoallergenic materials for maximum comfort. An IP53 durability rating means this device is protected against dust and water sprays for unimpeded rugged, mobile use throughout supply chain environments.

Print technology	HP Thermal Inkjet
Print speed	Up to 40" (1000 mm) per second
Resolution	Mono color: Up to 1200 x 600 dpi
Cartridge	
<i>Prints per cartridge:</i>	Average of 6,000 prints per cartridge (print defined by specific content)
<i>Shelf life:</i>	12 months
<i>In-printer life:</i>	14 days
<i>Color:</i>	Bright magenta for maximum contrast on packaging material
Battery	Lithium-ion battery; more than 6,000 scans and prints over 6 hours on a single charge.
Connectivity	
<i>Interfaces:</i>	Mini-B USB 1.1 full-speed port
<i>Wireless interfaces:</i>	802.11 b/g/n connectivity, WPA-personal, WEP
Software included	Setup and maintenance applications. Print template designer. Device drivers.
Dimensions (W x L x H)	
<i>Finger Unit:</i>	3.3" x 5" x 2" (84 mm x 127 mm x 51 mm)
<i>Wrist (Battery) Unit:</i>	3.5" x 8" x 2" (89 mm x 203 mm x 51 mm)
Weight	
<i>Finger Unit:</i>	13 oz (370 grams)
<i>Wrist (Battery) Unit:</i>	12 oz (340 grams)
Scanner	
<i>Focal point:</i>	7" (178 mm) from the lens plate
<i>Field of view:</i>	3.4" (84 mm) vertically and 4.5" (114 mm) horizontally at focal point
<i>Depth of field:</i>	2.1" to 12.8" (53 mm to 325 mm)
<i>Decode time:</i>	Less than 100 ms under ideal conditions
<i>Image sensor:</i>	752 x 480 CMOS sensor
<i>Motion tolerance:</i>	4" (101 mm) per second
<i>Rotational sensitivity:</i>	360 degrees
<i>Viewing angle:</i>	+/-40 degrees
<i>Ambient light:</i>	0 (total darkness) to 100,000 (full sunlight) lux
<i>Illumination LEDs:</i>	626 nm + 30 nm
<i>Aiming LED:</i>	526 nm + 30 nm
User interface	Visual and audible scan and print indicators, two buttons (power, reset); low-ink and low-battery indicators

HHCS Handheld USA, Inc. (Handheld US) is a North American supplier of rugged PDAs and handheld computers. Handheld US and its partners deliver complete mobility solutions to businesses in industries such as logistics, forestry, public transportation, construction, military, and security. Handheld US is a subsidiary of the Handheld Group, a manufacturer and worldwide supplier of rugged PDAs and mobile computers.

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