



HP Handheld sp400 All-in-One

Overview

The first and only scan and print solution to integrate a 2D imager inkjet printer and wireless communication, the HP Handheld sp400 All-in-One (AiO) is designed to simplify logistics operations that currently incorporate high-volume manual scanning and labeling.

An ideal solution for warehouse/fulfillment, package delivery and other industries, this portable, robust, easy-to-use and high-performance printing solution applies directly to a package or other surface, eliminating the cost and time needed for labeling operations. The lightweight (12 oz.), hand-mounted HP Handheld sp400 can complete more than 1,250 scans and prints per hour, and operates on a lithium-ion battery capable of delivering up to 5,000 scans and prints per charge.

In typical scan-and-print operations, a user, operating either in a hand-worn mode or using an optional handle mount, points the HP Handheld sp400 AiO's scanner to a 1D or 2D barcode, postal code or OCR code to capture supply chain management information. The AiO's integrated Wi-Fi or Bluetooth® wireless connection sends the scan data to a warehouse management system and receives data sent back to the device. Once the new information is received, the user rolls the device across the area to be printed, and a fast-drying, smudge-free non-toxic image is applied directly to the package surface.

Designed for rugged, mobile use throughout supply chain environments, the HP Handheld sp400 AiO features 2.5-cm cube print cartridges designed to output thousands of .53 in. x 2 in. (1.5 x 6 cm) prints, bringing a number of time- and cost-saving benefits through direct-on-package printing.

Key features and benefits

- More productivity and flexibility compared to traditional scan-and-print tools
- Less waste and greater cost savings compared to thermal label printing
- Fast operation: printing and scanning at speeds as fast as 2 seconds per cycle
- Quick-drying, smudge-free printing directly onto plain paper, kraft paper, packing tape, coated labels, polypropylene, polyester or polyethylene plastic
- IP 53 durability rating: Rugged construction for warehouse environments⁽¹⁾
- Wi-Fi or Bluetooth compatibility for integration into existing IT environments
- Finger mount design for ease of use, with hypoallergenic materials for maximum comfort

Technical specifications

- Printing speed: Up to 40 inches per second

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- Resolution: up to 1,200 x 600 dots per inch
- Supplies: mono color cartridges, bright magenta ink
- Image area: .53 in. x 2 in. (1.5 x 6 cm)
- Average prints per cartridge: 5,000+
- Battery: HP lithium-ion batter with up to 5,000 scans and prints over a six-hour time period
- Connectivity: wired – Mini-USB 1.1 full speed port; wireless – 802.11b connectivity, WPA-personal, WEP or Bluetooth 2.0
- Durability: IP 53 rating⁽¹⁾
- Mounting: finger mount and wrist-mount assemblies, as well as optional handle attachment⁽²⁾
- Dimensions (w x l x h): Finger unit – 3.3 in. x 5 in. x 2 in. (84 mm x 127 mm x 51 mm); wrist (battery) unit – 3.5 in. x 8 in. x 2 in. (89 mm x 203 mm x 51 mm)
- Weight: Finger unit – 12 oz. (340 g); wrist (battery) unit – 12 oz. (340 g)
- Scanner optics: focal point of 7 in. (178 mm) from lens plate; 3.4 in. x 4.5 in. (86 mm x 114 mm) field of view; 360-degree rotational sensitivity; 752 x 480 CMOS sensor

Availability

The HP Handheld sp400 All-in-One is scheduled to be available in the fourth quarter of 2007.

⁽¹⁾ Withstands multiple six-foot drops to concrete as well as contact with common chemicals.

⁽²⁾ Handle attachment not included, sold separately.

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