

# Faster, Simpler, Less Expensive.



## Trust your Supply Chain and In-Store Operations to the HP Handheld sp400 All-in-One.

Printing, Scanning, and Wireless Connectivity in a mobile and hands free package

### Solution Value

- Increase Productivity. The sp400 can save thousands of hours of labor per year by improving the time it takes to perform print and scan-based processes.
- Decrease Operating Costs. Customers can save significantly on labor and supplies expenses.
- Environmentally friendly printing. Direct to package printing with non toxic inks, recyclable cartridges and no labels and liner waste to deal with
- More operational flexibility vs. traditional and fixed location scan and print tools and techniques

### Typical Customer Uses

- Distribution Center: Increase Unit Throughput. When merchandise hits the receiving dock, workers can scan the incoming barcodes, and immediately print cross-docking, shelving or slotting data.
- Returns Operation: Process Units Faster. When various items are returned to a hub, rapidly sort and reshelv or otherwise dispose of the items.
- In-Store: Merchandise Marking: Pricing and other information can be printed on merchandise. Items can be personalized or localized with labeling.
- In-store: Transactional Imprinting. Checks, invoices, and receipts can be marked with validation stamps and other transactional marks.

### High-performance print & scan

- Get fast printing speeds on the go. Print human readable, .53" X 2" prints at speeds up to 40 inches/second
- Quickly capture variety of symbologies. Capture all standard 2D, linear, postal and OCR codes. Discriminate between desired & extraneous symbologies. 2D scan times as fast as 100 ms
- Wireless communication. Wireless network connectivity enables easy integration into your existing IT environment
- Print directly to a variety of target shapes, sizes and materials. Quick drying, smudge free inks for printing directly onto plain paper, craft paper, packing tape, coated labels, polypropylene, polyester, or polyethylene plastic

### Fast & flexible

- Deployable throughout supply chain environments. Wireless, battery powered integrated device eliminates need to interface various bulky products
- Fast scan and print cycles. Greater than 1250 scan & prints/hour
- Count on long-lasting battery operation. Lightweight, ultra-compact lithium-ion battery is simple to recharge, and delivers over 5000 scan & prints per charge
- More productivity and flexibility at less cost. Avoid expensive facilities reconfiguration

<http://www.hp.com/large/products/handheld-sp400-aio.html>



# HP Handheld sp400 All-in-One

## Additional accessories include



Battery charger & device storage bays.

5 bay charger. Storage units for AiO devices. Both wall mountable.



Print cartridges

Sugar cube sized print cartridges



Lithium-ion batteries

2 sizes of lightweight battery with easy snap-on installation



Straps, hand mounts, buckles

Field replaceable straps, and other consumables to maximize uptime



Cartridge door

Field replaceable print cartridge door



Battery cases

Additional wrist cases for battery packs



Cable

Field replaceable cables



Handle

Optional handle attachment

## Technical specifications

Print technology	HP thermal inkjet
Print speed	Up to 40 inches per second
Resolution	Mono color: up to 1200 by 600 dpi
Cartridge	
Prints/cartridge	Average of 6,000 prints/cartridge *print defined by specific content
Shelf life	6 months
In printer life	14 days
Color	Bright magenta
Battery	Type: HP lithium-ion battery; life: up to 5000 scan & prints over 6 hours.
Connectivity	
Interfaces	Mini-B USB 1.1 full speed port
Wireless interfaces	802.11b connectivity, WPA-personal, WEP (Bluetooth 2.0 available 2008)
Software included	HP Setup & Maintenance applications. Print Template designer. Device drivers.
Dimensions (w by l by h)	
Finger Unit	Width: 3.3 in ; length: 5 in ; height: 2 in
Wrist (Battery) Unit	Width: 3.5 in ; length: 8 in ; height: 2 in
Weight	
Finger Unit	13 oz
Wrist (Battery) Unit	12 oz
Scanner	
Focal point	7 inches from the lens plate
Field of view	of 3.4 inches vertically and 4.5 inches horizontally at focal point
Depth of field	2.1 to 12.8 in
Decode time	Less than 100 ms under ideal conditions
Image sensor	752 X 480 CMOS sensor
Motion tolerance	4 in per second
Rotational sensitivity	360 degrees
Viewing angle	+/-40 degrees
Ambient light	0 (Total darkness) to 100,000 (Full sunlight) lux
Illumination LEDs	626nm +30 nm
Aiming LED	526 nm + 30 nm
User interface	Visual & audible scan & print indicators, 2 buttons (power, reset); Out of ink and Low battery indicators

## Environmental ranges (device)

Operating temperature	-5 to 45 degrees C
Storage temperature	-40 to 55 degrees C
Relative humidity	5 to 95 percent, non-condensing
Vibration & Drop	MIL-STD-810E, survives multiple 26 foot drops to concrete, IP53
Altitude	1,200 feet below sea level to 15,000 feet above sea level

RoHS compliant

## Power certifications

Safety	UL, CE (by March 2008)
EMC	EU (EMC Directive), USA (FCC Rules)
Warranty	One-year return to HP authorized service center hardware and software warranty Extended warranty available

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