



## Zebra® S4M™

Thermal, On-Demand, Metal Bar Code Printer

### The Simple Way to Add Dependable Printing

Whether you're new to bar coding, upgrading from a desktop printer, or adding new printers, Zebra's S4M thermal printer delivers an affordable solution for many labeling requirements.

Designed for the budget-minded, this printer offers you ease of use, the durability of a metal frame/case, and a full 8" media roll capacity that means fewer label changes. The S4M is an outstanding value compared to similar printers on the market.

### Simple to Use

The S4M printer's front control panel features a streamlined menu for simple navigation, while its proven side-loading design eliminates threading of labels and ribbons for quick, easy loading. The result: your operators have more time to focus on more productive tasks.

### Simple to Integrate

The S4M printer offers a variety of ways to connect—from serial, parallel, and USB interfaces to internal 10/100 Ethernet or wireless 802.11b—for simple system integration. And it will fit right in with your other Zebra printers because it speaks the same programming languages (ZPL® and EPL™). Plus, Zebra's APL™ language lets you easily change from other-brand printers to S4M printers without changing your label formats.

Zebra's S4M printer provides the features needed to support many applications, including:

- Compliance labeling—comply with the latest industry and customer requirements
- Manufacturing—provide accurate, end-to-end identification to track materials through your factory or supply chain
- Distribution—bar code labeling for packing, shipping, inventory management
- Healthcare patient safety—hospital pharmacy unit-dose labeling, specimen and lab labeling, wristband printing, admissions/records labeling
- Unicode™ compliant—for faster multi-language, thermal printing



S 4 M



Specifications at a Glance\*



The S4M model's affordability, ease of use, metal construction, and variety of connectivity options make it an outstanding value.

STANDARD FEATURES

- Print methods: Direct thermal Thermal Transfer (optional)
Construction: Die-cast metal frame with sheet metal enclosure
Metal media cover with enlarged clear window
Element Energy Equalizer™ (E3®) for superior print quality
Back-lit LCD control panel
Parallel, USB 1.1 and RS-232 serial ports

PRINTER SPECIFICATIONS

- Resolution: 203 dpi/8 dots per mm, 300 dpi/12 dots per mm (optional)
Memory: Standard: 4 MB Flash, 8 MB DRAM
Print Width: 4.09"/104 mm
Print Length: 203 dpi: 157"/3,988 mm, 300 dpi: 73"/1,854 mm (optional)
Print Speed: 6"/152 mm per second
Media Sensors: Transmissive and reflective sensing sensors

For optimum print quality and printer performance, use Genuine Zebra Supplies.

MEDIA CHARACTERISTICS

- Maximum non-continuous label length: 39"/991 mm
Media label and liner width: 0.75"/19.4 mm to 4.50"/114 mm
Maximum media roll size: 8.0"/203 mm O.D. on a 3.0"/76 mm I.D. core, 6.0"/152 mm O.D. on a 1.0"/25 mm I.D. core
Media thickness: 0.003"/0.076 mm to 0.010"/0.25 mm
Media types: Continuous, die-cut, tags, black-mark

RIBBON CHARACTERISTICS (THERMAL TRANSFER OPTION ONLY)

- Outside diameter: 3.2"/81.3 mm
Standard length: 984'/300 m or 1476'/450 m
Ratio: 2:1 media roll to ribbon ratio for 984'/300 m, 3:1 media roll ribbon ratio for 1476'/450 m
Width: 1.57"/40 mm to 4.33"/110 mm
Ribbon setup: Ribbon wound ink-side out
Core inner diameter (I.D.): 1.0"/25.4 mm

OPERATING CHARACTERISTICS

- Environmental: Operating Temp. 40°F/5°C to 104°F/40°C (Thermal Transfer) and 32°/0°C to 104°F/40°C (Direct Thermal), Storage Temp. -40°F/-40°C to 140°F/60°C, Operating Humidity 20% to 85% non-condensing, Storage Humidity 5% to 85% non-condensing
Electrical: Universal auto-ranging (PFC-compliant) power supply 90-265VAC, 48-62 Hz
Agency Approvals: Agency approvals: IEC 60950, EN 55022 Class B, EN55024, EN 61000-3-2, EN 61000-3-3, Markings: cULus, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, IRAM, CCC, GOST-R

PHYSICAL CHARACTERISTICS

- Width: 10.7"/272 mm
Height: 11.6"/295 mm
Depth: 18.8"/477 mm
Weight: 27.2 lbs/12.4 kg
Shipping weight: 33.5 lbs/15.2 kg

OPTIONS AND ACCESSORIES

- Printhead 300 dpi/12 dots per mm
Peel—a front mount, passive peel option, with no take-up spindle
Factory Installed 64 MB Flash memory option

- Real-time clock (RTC) option
Thermal transfer ribbon handling system
Keyboard display unit (KDU)

ZEBRALINK™ SOLUTIONS

- Software: ZebraDesigner™ Pro (optional), Zebra Designer, ZebraNet™ Bridge Enterprise, ZebraNet Utilities v 7.0, Zebra Universal Driver
Networking Options: ZebraNet® Wireless Print Server option (internal), ZebraNet 10/100 Print Server option (internal or external), ZebraNet PrintServer II option (external)

Firmware

- ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with existing systems that run Zebra printers.
Global Printing—Unicode™ compliant for fast multi-language, on-demand thermal printing right out of the box.
EPL2™—Eltron Programming Language is used primarily by Zebra's desktop bar code printers.
APL—Zebra's Alternative Programming Language allows integration into mixed printer environments without re-programming formats.
Web View—Connect and control Zebra bar code printers via the printer's Web interface using a common Web browser. (ZPL only)
Alert—Printers equipped with ZebraNet print servers provide alerts via any email-enabled, wired, or wireless device to minimize downtime. (ZPL only)

BAR CODE SYMBOLOGIES

- Linear: Code 11, Code 39, Code 93, Code 128 subsets A/B/C and UCC case C codes, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code, RSS
2-Dimensional: Aztec, Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, RSS (ZPL only, other firmware languages may vary)

FONTS AND GRAPHICS

- (ZPL only, other firmware languages may vary)
7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
International character sets supporting the following code page: IBM® Code Page 850
International character set
Support user-defined fonts and graphics—including custom logos
ZPL II drawing commands—including boxes and lines

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