



## 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



# 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™ (E<sup>3</sup>) 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°F/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

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### 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.  
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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