



## 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



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## Specifications at a Glance\*

### 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

### 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

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.

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