

# Zebra® S4M™



## S4M™—The Simple Way to Add Dependable Printing

Whether you're new to bar coding, upgrading from an older Stripe® or 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 in the market.

### Simple to Use

The S4M printer offers a variety of ways to connect—from serial, parallel, and USB interfaces to internal 10/100 Ethernet or IEEE 802.11b/g—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 proudly wears the Stripe family name by providing 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 printing to meet global needs

# Specifications at a Glance\*

## 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
- XML-Enabled printing—direct-connect integration for bar code label printing; eliminates license fees and print server hardware and lowers customization and programming costs
- 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

## Media Characteristics

### Maximum non-continuous label length

Maximum non-continuous: 39"/991 mm

### Maximum 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

### 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 I.D.

1.0"/25.4 mm

## Operating Characteristics

### Environmental

- Operating temperature: 40° F/5° C to 104° F/40° C (Thermal Transfer)  
32° F/0° C to 104° F/40° C (Direct Thermal)
- Storage temperature: -40° F/-40° C to 140° F/60° C
- Operating humidity: 20-85% non-condensing
- Storage humidity: 5-85% non-condensing

### Electrical

Universal auto-ranging (PFC-compliant) power supply  
90-265 VAC; 48-62Hz

### Agency Approvals

- IEC60950, EN55022 Class B, EN55024, EN61000-3-2, 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

## ZebraLink™ Solutions

### Software

- ZebraDesigner™ Pro
- ZebraDesigner for XML
- ZebraDesigner
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v 7.0
- Zebra Universal Driver
- ZBI-Developer™

## Networking Options

- ZebraNet Wireless Plus option
- ZebraNet 10/100 Print Server option

## Firmware

- ZPL II®
- Global Printing
- EPL2™
- XML-Enabled printing
- APL-I™/APL-D™ (Contact Zebra Development Services for additional details)
- Webview
- Alert
- ZBI 2.0™

## Fonts and Graphics

- 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
- Contains UFST® from Monotype Imaging Inc.

## Bar Code Symbolologies

- 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, GS1 DataBar (RSS)
- 2-Dimensional: Aztec, Codablock, PDF417, Code 4, Data Matrix, GS1 Databar (RSS), MaxiCode, QR Code, MicroPDF417, TLC 39

## 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 option
- Keyboard display unit (KDU)
- Factory installed full-width guillotine knife cutter and catch tray

\*Specifications subject to change without notice.

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