

# Zebra® S4M™

The Next Generation in the Legacy Stripe® Series  
Thermal, On-Demand, Metal Bar Code Printer



## 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.

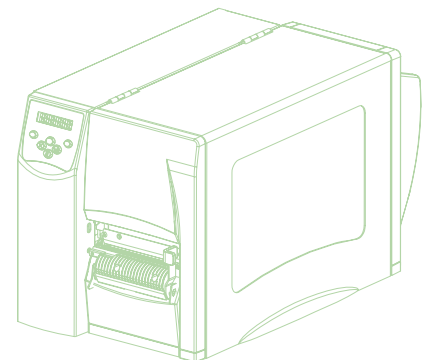
Designed for the budget-minded, this printer offers you ease of use, the durability of a metal frame/case, and a full 8" media roll capacity that means fewer label changes. The S4M is an outstanding value compared to similar printers in the market.

## 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





## S4M

The next generation in the legacy Stripe series, the S4M's affordability, ease of use, metal construction and a variety of connectivity options make it an outstanding value.

### 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

##### Networking Options

ZebraNet® Wireless Plus option (internal)—  
 supports ZPL® and EPL™  
 ZebraNet 10/100 Print Server option  
 (internal or external)

##### Firmware

ZPL II®  
 Global Printing  
 EPL2™  
 XML-Enabled printing  
 APL™  
 Webview  
 Alert

#### 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 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, 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)



\*Specifications subject to change without notice.

©2008 ZIH Corp. EPL, APL, ZBI 2.0, ZBI-Developer, Element Energy Equalizer, E3, ZebraLink, EPL2, ZebraNet, and all product names and numbers are Zebra trademarks, and Zebra, the Zebra head graphic, ZPL, ZebraNet, and ZPL II are registered trademarks of ZIH Corp. All rights reserved. Unicode is a trademark of Unicode, Inc. CG Triumvirate is a trademark of Agfa Division, Miles Inc. IBM is a registered trademark of International Business Machines Corporation. UFST is a trademark of Monotype Imaging Inc. and may be registered in certain jurisdictions. All other trademarks are the property of their respective owners.



#### GLOBAL/AMERICAS HEADQUARTERS

Zebra Technologies Corporation  
 333 Corporate Woods Parkway  
 Vernon Hills, IL 60061-3109 U.S.A.  
 T: +1 847 793 2600 or  
 +1 800 423 0442  
 F: +1 847 913 8766

#### EMEA HEADQUARTERS

Zebra Technologies Europe Limited  
 Zebra House, Unit 14, The Valley Centre  
 Gordon Road, High Wycombe  
 Buckinghamshire HP13 6EQ, UK  
 T: +44 (0)1494 472872  
 F: +44 (0)1494 768251

#### ASIA-PACIFIC HEADQUARTERS

Zebra Technologies Asia Pacific, LLC  
 120 Robinson Road  
 #06-01 Parakou Building  
 Singapore 068913  
 T: +65 6858 0722  
 F: +65 6885 0838

[www.zebra.com](http://www.zebra.com)



Zebra Technologies Corporation  
 An ISO 9001 registered company  
 GSA#: GS-35F-0268N  
 ©2008 ZIH Corp. Printed in U.S.A.  
 #139191L-001 Rev. 6 (1/08)

OTHER LOCATIONS » USA California, Rhode Island, Texas, Wisconsin EUROPE France, Germany, Italy, Netherlands, Poland, Spain, Sweden  
 ASIA-PACIFIC Australia, China, Japan, South Korea LATIN AMERICA Florida (USA), Mexico AFRICA/MIDDLE EAST India, Russia, South Africa, United Arab Emirates