

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.

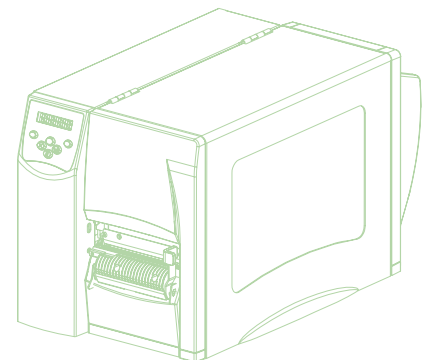
Designed for the budget-minded, this printer offers you ease of use, the durability of a metal frame/case, and a full 8" media roll capacity that means fewer label changes. The S4M is an outstanding value compared to similar printers in the market.

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
 ZBI-Developer™

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-1™/APL-D™
 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 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



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

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)