



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

Firmware

- ZPL II®
- Global Printing
- EPL2™
- XML-Enabled printing
- APL-I™/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 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.

©2009 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 stripe, 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.



www.zebra.com

Corporate Headquarters

+1 800 423 0442

E-mail: inquiry4@zebra.com

Asia-Pacific Headquarters

+65 6858 0722

E-mail: apacchannelmarketing@zebra.com

EMEA Headquarters

+44 (0)1628 556000

E-mail: mseurope@zebra.com

Latin America Headquarters

+1 847 955 2283

E-mail: inquiry4@zebra.com

Other Locations

USA: California, Georgia, Rhode Island, Texas, Wisconsin **Europe:** France, Germany, Italy, Netherlands, Poland, Spain, Sweden **Asia Pacific:** Australia, China, Japan, South Korea **Latin America:** Argentina, Brazil, Florida (USA), Mexico **Africa/Middle East:** India, Russia, South Africa, United Arab Emirates

GSA#: GS-35F-0268N
13919L-001 Rev. 10 (3/09)