



S4M™

Thermal, On-demand, Metal Bar Code Printer

The easy 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 labelling requirements. Designed for the budget-minded, this printer offers you ease of use, the durability of a metal frame case and a full 203mm (8") media roll capacity that means fewer roll changes.

Easy to use

The S4M printer's front control panel features a streamlined menu for simple navigation, while its tried-and-tested side-loading design eliminates the need to thread labels and ribbons, making loading quick and easy.

Easy to integrate

For easy system integration, 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. And it will fit right in with your other printers, Zebra® or other brand, because it speaks a variety of programming languages (ZPL®, EPL™ and APL™).



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Zebra's S4M printer provides the features needed to support many applications, including:

- Compliance labelling: 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 labelling for packing, shipping and inventory management
- Healthcare patient safety: hospital pharmacy unit-dose labelling, specimen and lab labelling, wristband printing and admissions/records labelling
- Post and Parcel: mailing labels, franking and depot-printing

For further information on these products, please visit the Zebra® Web site at: www.zebra.com



Zebra Technologies

European Headquarters
Zebra House, The Valley Centre
Gordon Road, High Wycombe
Buckinghamshire HP13 6EQ
United Kingdom
Tel: +44 (0)1494 472872
Fax: +44 (0)1494 450103

Regional Sales Office
Mölsfeld 1
D-40670 Meerbusch
Germany
Tel: +49 (0) 2159 6768 0
Fax: +49 (0) 2159 6768 22

Regional Sales Office
50 rue Marcel Dassault
F-92100 Boulogne-Billancourt
France
Tel: +33 (0)1 55 20 93 93
Fax: +33 (0)1 55 20 93 99

International Headquarters
333 Corporate Woods Parkway
Vernon Hills, IL 60061-3109
USA
Tel: +1 847 793 2600
Fax: +1 847 913 8766

Other Locations

United States: California, Florida, Rhode Island, Wisconsin

Europe: Italy, the Netherlands, Poland, Spain, Sweden

Asia-Pacific: Australia, China, Japan, Singapore, South Korea

Middle East: Dubai



Reliability on demand™



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Specifications at a Glance*

Standard Features

- Print methods: Direct thermal or thermal transfer
- Construction: Die-cast metal frame with sheet metal enclosure
- Metal media cover with enlarged clear window
- Element Energy Equalizer™ (E³) for superior print quality
- Back-lit LCD control panel
- Parallel, USB 1.1 and RS-232 serial ports
- Transmissive and reflective sensors

Operating Characteristics

Environment

- Operating Temp. 5°C (40°F) to 40°C (104°F) (Thermal Transfer) and 0°C (32°F) to 40°C (104°F) (Direct Thermal)
- Storage Temp. -40°C (-40°F) to 60°C (140°F)
- Operating Humidity 20% to 85% non-condensing
- Storage Humidity 5% to 85% non-condensing

Electrical

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

Agency Approvals

- IEC 60950, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3

Markings

- Markings: cULus, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, IRAM, CCC, GOST-R

Media Characteristics

Labels

- Max. Length (non-continuous)
- 991mm (39")

Max. Roll Size

- 203mm (8.0") O.D. on a 76mm (3.0") I.D. core
- 152mm (6.0") O.D. on a 25mm (1.0") I.D. core

Max. Media Width

- 19.4mm (0.75") to 114mm (4.50")

Thickness

- 0.076mm (0.003") to 0.25mm (0.010")

Media Types

- Continuous, die-cut, tags, black-mark

For optimum print quality and print engine performance, use genuine Zebra supplies.

Ribbons

Max. Roll Size

- 81.3mm (3.2") O.D. on a 25.4mm (1.0") I.D. core

Standard Lengths

- 300m (984') or 450m (1476')

Ratio

- 2:1 media roll-to-ribbon ratio for 300m (984')
- 3:1 media roll-to-ribbon ratio for 450m (1476')

Width

- 40mm (1.57") to 110mm (4.33")

Ribbon set-up

- Ribbon wound ink-side out

Fonts/Graphics/Symbologies

Fonts and Character Sets

- (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

Graphic Features

- Support for user-defined fonts and graphics including custom logos
- ZPL II drawing commands including boxes and lines

Bar Code Symbologies

- Linear bar codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case Codes, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN with 2 or 5 digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code
- 2-Dimensional: Aztec, Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, RSS (ZPL only, other firmware languages may vary)

Options and Accessories

- Printhead 12 points per mm (300 dpi)
- Peel – a front-mount passive-peel option with no take-up spindle
- Factory-installed 64MB flash memory option
- Real-time clock (RTC) option
- Keyboard display unit (KDU)
- ZebraNet Wireless Print Server option (internal)
- ZebraNet 10/100 Print Server option (internal or external)
- ZebraNet Print Server II option (external)

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice.

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S 4 M™

The S4M model's affordability, ease of use, metal construction and variety of connectivity options make it outstanding value.

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 Alternate 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 e-mail-enabled wired or wireless device to minimise downtime. (ZPL only)

S4M

Maximum Print Area

- Width: 104mm (4.09")
- Length: 203 dpi: 3,988mm (157")
- 300 dpi: 1,854mm (73") (optional)

Resolution

- 8 dots per mm (203 dpi)
- 12 dots per mm (300 dpi) (optional)

Maximum Print Speed

- 152mm (6") per second

Memory

- 4MB flash, 8MB DRAM

Physical Characteristics

- Width: 272mm (10.7")
- Height: 295mm (11.6")
- Depth: 477mm (18.8")
- Weight: 12.4kg (27.2lb)
- Shipping Weight: 15.2kg (33.5lb)

Media Specifications

- Label and liner width: 19.4mm (0.75") to 114mm (4.5")
- Transmissive and reflective sensors