



Zebra® S4M™

Thermal, On-Demand, Metal Bar Code Printer

The Simple 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 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 on the market.

Simple to Use

The S4M printer's front control panel features a streamlined menu for simple navigation, while its proven side-loading design eliminates threading of labels and ribbons for quick, easy loading. The result: your operators have more time to focus on more productive tasks.

Simple to Integrate

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—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 provides 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



S 4 M

Specifications at a Glance*



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

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
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

For optimum print quality and printer performance, use Genuine Zebra Supplies.

MEDIA CHARACTERISTICS

Maximum non-continuous label length
39"/991 mm

Media 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 (THERMAL TRANSFER OPTION ONLY)

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 inner diameter (I.D.)
1.0"/25.4 mm

OPERATING CHARACTERISTICS

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

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

Agency Approvals
Agency approvals: IEC 60950, EN 55022 Class B, EN55024, EN 61000-3-2, 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

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 system
Keyboard display unit (KDU)

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 Alternative 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 email-enabled, wired, or wireless device to minimize downtime. (ZPL only)

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, RSS

2-Dimensional

Aztec, Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, RSS (ZPL only, other firmware languages may vary)

FONTS AND GRAPHICS

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

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