

Zebra S4M

Thermal Barcode Printer



Features

- *Affordable, metal printer with full 8" media roll capacity*
- *Simple to use through a streamlined front control panel and a proven side-loading design*
- *Simple to integrate by offering a variety of ways to connect*

Zebra's S4M printer proudly wears the Stripe series name. Offering ease of use, a metal construction, and a variety of connectivity options into a thermal printer that takes a full 8" roll of Zebra labels for fewer media changes. Designed for the budget-minded, the S4M has the features needed to support many applications at an affordable price.

With easy controls and proven side-loading design, it's quick to learn, use, and load, so operators can focus on more productive tasks. The printer offers standard serial, parallel and USB connectivity, as well as optional internal 10/100 Ethernet and IEEE 802.11b/g wireless networking for simple integration and remote monitoring, plus it can be ordered with different printer programming languages. Compared to similar printers on the market, the S4M thermal printer is an outstanding value.

Specifications

Standard Features

- Print Methods: Direct thermal and 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
- Unicode™ - Compliant

Printer Specifications

Resolution

- 203 dpi (8 dots/mm)
- 300 dpi (12 dots/mm)

Memory

- 4MB Flash, 8MB DRAM

Print width

- 4.09"/104 mm

Print length

- 203 dpi: 157"/3,988 mm and 300dpi: 73"/1854 mm (optional)

Print speed

- 203 dpi: 6" (152 mm)/sec
- 300 dpi: 6" (152 mm)/sec

Media sensors

- Reflective
- Transmissive

Media Characteristics

Maximum label and liner width

- 0.75"/19.4 mm to 4.50"/114 mm

Minimum label and liner width

- 0.75" (19.4 mm)

Maximum label and liner length

- Maximum non-continuous: 39"/991 mm

Maximum label and liner length (optional)

- 39" (991 mm)

Core diameter

- 8.0" (203 mm) O.D. on a 3" (76 mm) I.D. core
- 6.0" (152 mm) O.D. on a 1" (25 mm) I.D. core

Media thickness

- 0.003"/0.076 mm to 0.010"/0.25 mm

Media types

- continuous, die-cut, tag, 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

Ribbon width

- 1.57"/40 mm to 4.33"/110 mm

Ribbon setup

- Ribbon wound ink-side out

ID Core

- 1.0" (25.4 mm)

Operating Characteristics

Operating temperature

- TT: Operating temperature 40° F (5° C) to 104° F (40° C) Thermal transfer
- DT: Operating temperature 32° F (0° C) to 104° F (40° C) Direct thermal

Storage temperatures

- -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-complaint) power supply 90-265VAC, 48-62 Hz

Agency approvals

- IEC 60950
- EN 55022 Class B
- EN55024
- EN 61000-3-2
- EN 61000-3-3

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)

Related Products

Options

- Thermal Transfer Ribbon Handling System
- Print head 300 dpi (12 dots/mm) (ZPL Only)
- A front mount, passive peel, w/ no take-up spindle
- Factory installed 64 MB (61 MB user available) Flash Memory option
- Additional scalable and smooth bitmapped fonts available
- ZebraNet Wireless Print Server
- Internal ZebraNet 10/100 Print Server
- External ZebraNet 10/100 Print Server
- External ZebraNet PrintServer II
- Keyboard Display Unit (KDU) (EPL only)
- Real Time Clock (RTC)
- APL-I firmware
- APL-D firmware

Communication and Interface Capabilities

- RS-232 serial port
- USB 1.1
- Parallel

Programming Languages

Core programming languages

- EPL-Page Mode, ZPL I/ZPL II

Bar Codes/Symbologies

Linear

- 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-A 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
- RSS (reduced space symbology)

2-dimensional

- Codablock
- Code 49
- Data Matrix
- MaxiCode
- QR Code
- MicroPDF417
- TLC 39
- RSS / GS1 DataBar family (12 barcodes)

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 (ZPL only, other firmware languages may vary)