

# M-8400RV

## High Speed Industrial Bar Code Printer

- M-8400 command compatible
- High speed 32-bit RISC processor
- High Throughput - 10" Per Second
- 4.1" wide print area
- 203 dpi print head with Intelligent Control
- 16 bar code symbologies including 2D codes
- 12 proportional and mono spaced text fonts
- 10 scalable vector fonts
- Auto-switching parallel and serial interfaces
- Accessory port connector



The M-8400RV combines the mechanical print systems of the industry standard M-8400 printer with advanced RISC-based processor technology to deliver the benefits of the M-8400. The rugged metal chassis of the M-8400RV makes it equally at home in heavy-duty industrial applications as well as desktop bar code applications. And it's plug-and-play compatible with the M-8400 for ease of integration into existing applications.

The M-8400RV's new 32-bit high speed RISC processor provides maximum performance. It prints crisp, superior quality 203 dpi resolution images at speeds up to 10" per second on 5" wide labels that can be up to 49.2" long. High throughput is achieved even when text and graphics change. UCC/EAN 128 shipping container labels with automatic incrementing serial numbers and check digits are produced without pauses between labels.

16 popular bar code symbologies including the new 2-D codes plus 12 proportional and mono-spaced fonts are built into the M-8400RV for making labels with minimum programming and fast data transfer. TrueType® fonts can be downloaded to an M-8400RV PCMCIA Memory Card to be used as internal fonts.

The M-8400RV incorporates two PCMCIA memory expansion slots for maximum flexibility. Add up to 4Mb of additional memory to store formats, fonts, and graphics, extend the print area, or develop an unlimited library of PCMCIA cards to meet every need.

For easy communications with the host, both RS-232 serial and Centronics parallel interfaces are built in. The M-8400RV constantly monitors both interfaces, automatically accepting data from the active connection. An additional accessory port is provided for attaching a variety of external accessories for synchronization with other labeling equipment.

### M-8400RV Specifications

**Printing Method:**

Thermal Transfer/Direct Thermal

**Printing Speed:**

Up to 10" (250 mm) per second

**Print Resolution:**

203 dpi (8 dots/mm)

**Print Area:**

4.1" (104 mm) W x 14" L (356 mm), 49.2" (1249 mm) L with 2 Mb PCMCIA memory card

**Bar Code Symbologies:**

UPC-A/E, EAN8/13, Code 39, Code 93, Code 128, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, CODABAR, MSI, Bookland, Data Matrix, Maxicode, PDF417, Postnet

**Bar Code Ratio:**

2:1, 3:1, 5:2, or individually adjustable bar widths

**Bar Code Height:**

Programmable

**Human Readable Fonts:**

12 proportional and mono-spaced fonts including OCR-A and OCR-B, and an outline vector font. American and European characters, upper and lower case with descenders.

**Flexibility:**

Rotation of text and bar codes in four 90° steps, character expansion horizontally and vertically in 12 steps, RAM storage for special characters, dot-addressable graphics and sequential numbering. Form overlay for high speed editing of complex formats.

**Graphic Support:**

SATO Hex/binary and PCX formats

**Media:**

Roll or fan-fold die cut labels; plain paper face stock; tag stock with punched feed slot or notch for see-through sensing or sense mark for reflective sensing.

Maximum Caliper: 0.01" (0.25mm)

Maximum Roll Diameter: 8.6" (220mm)

Roll Core Diameter: 1.5" (38 mm) or 3" (76 mm)

**Sensing:**

Adjustable position transmissive sensor for die cut labels and tags. Reflective sensor for use with preprinted sensing marks. Automatic, programmable setting of top of form.

**Media Size:**

Minimum: 1.0" (25.4 mm) W x 0.23" (6 mm) L

Maximum: 5" (125 mm) W x 14" (356 mm) L, 49.2" (1249 mm) L with 2 Mb expanded memory

**Ribbon:** Up to 4.4" (111 mm) W x 1475' (450 m) L, wound Face-in.

**Interfaces:**

Centronics Parallel and RS232 Serial (2400 to 19.2K bps, Ready/Busy or X-On/X-Off)

**External Connectors:**

Parallel: 36-pin Amp

Serial: DB25F

EXT (Accessory): 14-pin Amp

**Data Transmission:**

ASCII

**Print Control:**

User programmable via data stream

**Switches and Displays:**

Switches: LINE, FEED, POWER

Display: 2 line x 16 character LCD

LED Indicators: Power, Label, Ribbon, Error, On Line

Configuration: 3x8 DIP switches

Adjustments: Print Darkness, Offset, Pitch and Display Contrast

**Backfeed:**

Adjustable

**Dimensions (overall):**

10.4" (265 mm) W x 17" (430 mm) D x 13.5" (341 mm) H

**Weight:**

40 Lbs. (18Kg)

**AC Power:**

110VAC +/-10%, 50/60 Hz, 220VAC +/-10%, 50/60 Hz

Idling: 50W

Operating: 300W

**Environment:**

Operating: 41° to 104°F (5° to 50°C), 15 to 85% RH, non-condensing

Storage: 0° to 104°F (-20° to 40°C), 90% RH maximum, non-condensing

ESD Immunity: 8Kv

**Approvals:**

FCC Class A, UL, TUV, CE

**Options:**

Label Cutter

Label Dispenser

Rewinder

PCMCIA Memory Expansion

Twinax/Coax Interface

Real Time Clock

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