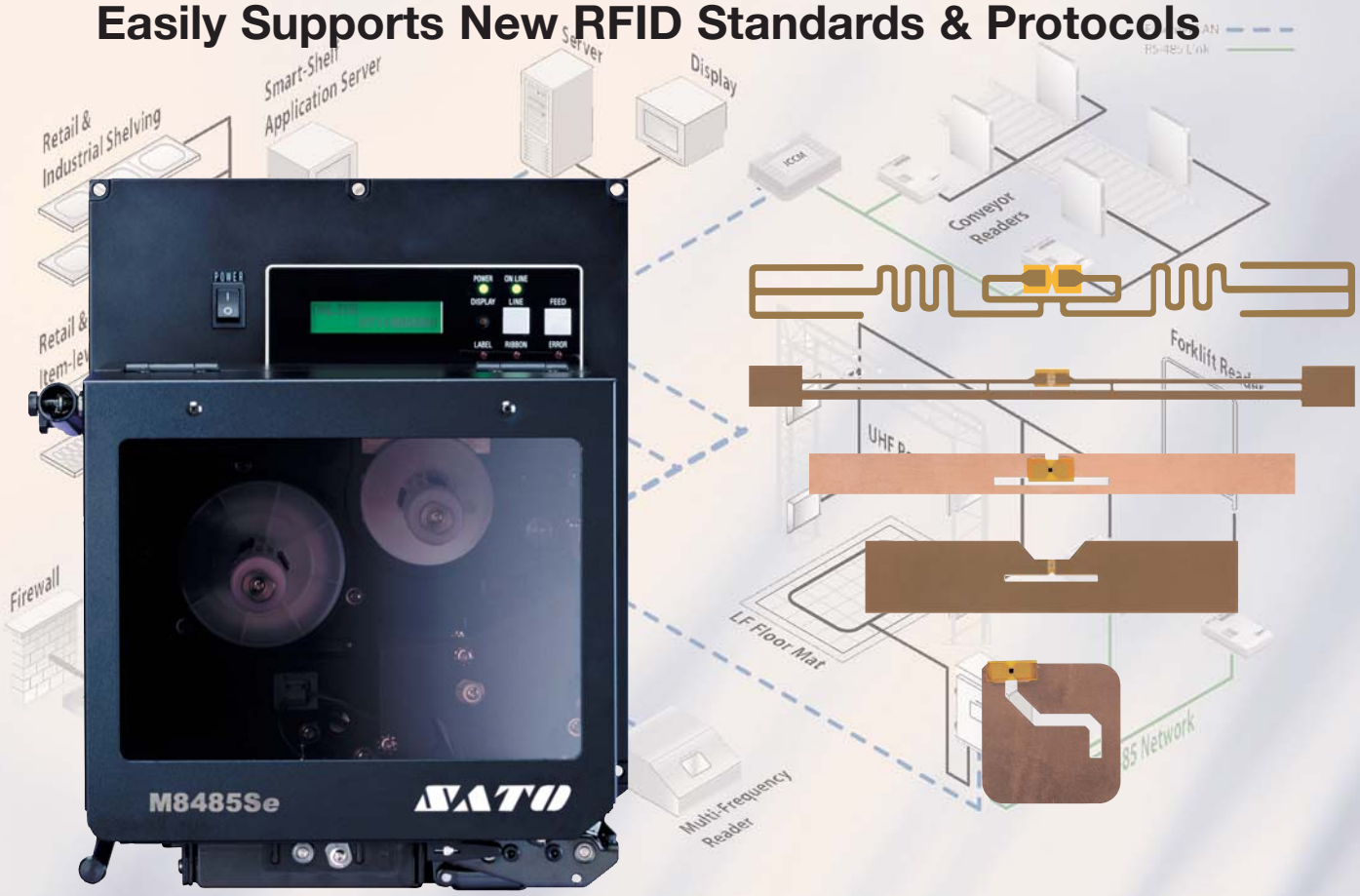
DCS & Labeling Worldwide

RFID Solutions

Easily Supports New RFID Standards & Protocols



OEM RFID Smart Printers

The industrial OEM high-speed printers are ideal for a range of applications, including:

- **Compliance Labeling**
- **Warehouse Logistics**
- **Pallet Tracking**
- **Retail Labeling**
- **Product Authentication**
- **Cross-Docking**
- **Shipping Labels**

Smart Printer

In a one-step process, the OEM RFID printers can read, write and print smart labels and tags with embedded RFID transponders. Transponders include integrated circuitry with an antenna and are designed to be programmed and re-programmed using radio waves.

RFID - Radio Frequency Identification

RFID tags are read, written and verified inside the printer prior to printing. In the case of a tag failure, the OEM RFID printers will mark the tag, send a “bad tag” output and advance to the next one, assuring top reliability in mission critical applications.

Rugged Design

The OEM’s heavy-duty metal construction, proven reliability, and excellent media handling deliver optimum performance in the most demanding environments.

SATO RFID SOLUTIONS

SPECIFICATIONS

	M8485Se-RFID
Printing Method	Thermal Transfer/Direct Thermal
Print Resolution	203 dpi (8 dpmm)
Print Speed	Up to 12"/s (300mm/s)
Max. Print Area	5" (128mm) W x 49.2" (1249mm) L
Media Size	Max. 5.27" (134mm) W with RFID Tag Min. 4" (102mm) W x 1.5" (38mm) L without RFID Tag Min.1" (25mm) x 0.25" (6mm) L
Ribbon Size	5.25" (133mm) W x 1968' (600m) L Min. 1.6" (39.5mm) W, Face-In Wind
Dimensions	Printer: 9.7" (245mm) W x 16.1" (408mm) D x 11.7" (298mm) H
Weight	Printer: 25 lbs. (11.34 kg)

RFID Formats:

- UHF
  - EPC Class-1
- Upgrade capability to support new standards & protocols

Memory:
16 MB Standard RAM
2 MB Standard Flash
1 MB PCMCIA - Optional
6 MB Optional Flash - Total

Processor:
32-BIT RISC/133 MHz

Media:
Die cut labels, plain paper facestock and synthetics.

Back feed:
Adjustable, ± 10" (255mm)

Sensing:
Transmissive sensor for die cut labels & tags. Reflective sensor for use with preprinted sensing marks. Automatic, programmable setting of top form.

External Connector:
Ext. (Applicator I/F): 14-pin Amp

Plug-In Interface Modules:
- Serial - RS232 (up to 57.6k bps)
- Parallel - IEEE1284 (ECP)
- Ethernet - 10/100BaseT (incl. WPC*Plus*)
- Wireless 802.11b (incl. WPC*Plus*)
- Twinax/Coax
- RS422/485

Barcode Symbologies:
Elementary: UPC-A, UPC-E, EAN-8, EAN-13, Code 39, Code 93, Code 128, Codabar, MSI, Bookland, Industrial 2/5, Interleaved 2/5, Matrix 2/5, Postnet, UCC/EAN 128, RSS, Composite
2-Dimensional: PDF417, Micro PDF417, Truncated PDF417, Maxicode, Data Matrix, QR Code

Fonts:
Bitmap - 12 proportional, mono-spaced and outline fonts (Code table 858). Scalable Internal CG Triumvirate® & CG Times® fonts. Optional Downloaded TrueType® fonts, scalable from 2 to 72 points.

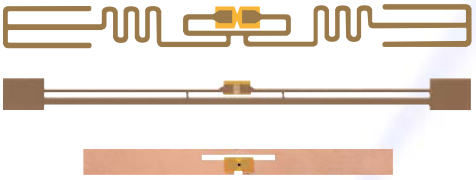
Barcode & Font Formatting:
360° rotation of barcodes and text, character expansion horizontally and vertically, sequential numbering, form overlay for high-speed editing of complex formats.

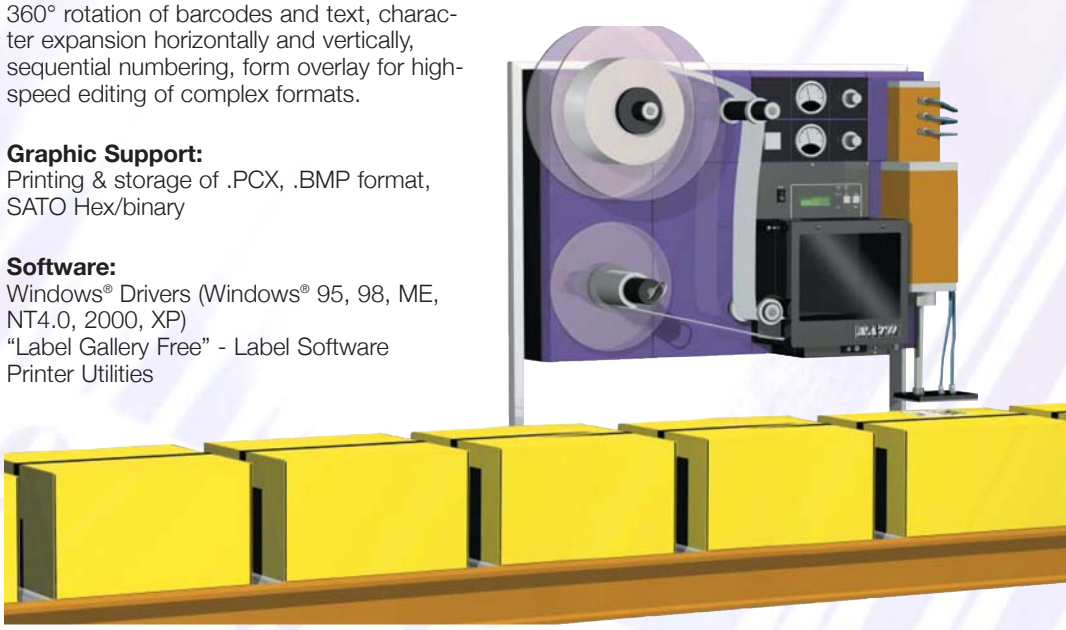
Graphic Support:
Printing & storage of .PCX, .BMP format, SATO Hex/binary

Software:
Windows® Drivers (Windows® 95, 98, ME, NT4.0, 2000, XP)
"Label Gallery Free" - Label Software
Printer Utilities

Electrical Requirements (Printer):
115V/220V (± 10%), 50/60 Hz (± 1%)
Auto-switching
Agency Certifications: UL, CSA

Other Features:
- Standard Real Time Clock
- Optional Opposite Hand Models
- Optional top reflective sensor





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