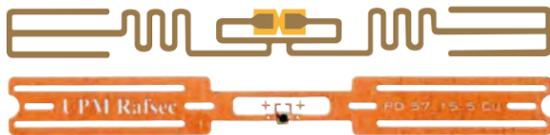


► New SATO M8485Se RFID Printer

In a one-step process, the M8485Se-RFID printer 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 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.



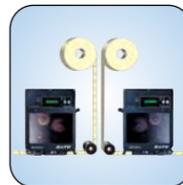
	M8485Se RFID
Printing Method	Thermal Transfer/Direct Thermal
Print Resolution	203 dpi (8 dpmm)
Print Speed	Up to 12"/s (300mm/s)
Max. Print Area	5" (128mm) W x 49.2" (1249mm) L
Media Size	Max. 5.27" (134mm) W with RFID Tag Min. 4" (102mm) W x 1.5" (38mm) L without RFID Tag Min. 1" (25mm) x 0.25" (6mm)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

► Options & Accessories for OEM Print Engines



Memory Expansion

Take advantage of extended memory capability to meet the needs of any application. (Not available on all models.)



Opposite Hand Models

M8460Se, M8485Se and M8490Se OEM Print Engines are available as a right hand or left hand printer to maximize installation flexibility.



Plug-In Interfaces

can be easily changed in the field. Plug-In Interface Modules are available for
RS232 Serial • IEEE1284 Parallel
10/100BaseT Ethernet (wired)
Wireless (802.11b)



Label Gallery - Design Software

A unique label design & production suite of software based on an easy-to-use and intuitive user interface designed specifically for SATO Printers. Download your free trial version @ www.satoamerica.com/technical/download/labelgallery.html



Wireless Print Server

easily connects SATO printers to 802.11b Wi-Fi™ compliant networks.



DCS & Labeling Worldwide



OEM PRINT ENGINES



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SATO S Series OEM Print Engines

The "Standard" for all automatic print & apply labeling.

Industry Leader

Since 1984 SATO has been designing and supplying thermal direct and thermal transfer printers for on-line labeling, and has set the standard world wide. The reasons are clear – SATO OEM print engines operate reliably and successfully wherever they are installed.

Designed for Print/Apply Systems

SATO OEM print engines are designed specifically for integration into automatic print/apply systems. The components of these high-duty cycle engines are selected for reliable performance over extended periods of time.

Fast, Accurate and Cost-Effective

SATO's series of OEM print engines utilize field proven mechanisms with performance that sets them apart from the competition. The main PCB's were designed with speed in mind. These engines utilize the latest in 32-bit processor technology and a Real Time Operating System allowing for blazing throughput speeds and virtually instantaneous "time to first label out".

Built to the Highest Quality

SATO OEM print engines are built to the highest ISO9000 standards, using the best materials. They have been designed and built to standards that ensure minimal maintenance and almost continuous operation. Designed so that the changing of ribbons and labels can be done quickly and easily!



	M8459Se DIRECT THERMAL	M8460Se WIDE WEB	M8485Se HIGH SPEED	M8490Se HIGH RESOLUTION	
Printing Method	Direct Thermal	Thermal Transfer/Direct Thermal			Printing Method
Print Resolution	203 dpi (8 dots/mm)			305 dpi (12 dots/mm)	Print Resolution
Print Speed	Up to 5"/s (125mm/s)	Up to 8"/s (250mm/s)	Up to 12"/s (300mm/s)	Up to 8"/s (250mm/s)	Print Speed
Max. Print Area	4.4" (112mm) W x 49.2" (1249mm) L	6" (152mm) W x 49.2" (1249mm) L	5" (128mm) W x 49.2" (1249mm) L	4.4" (112mm) W x 32.8" (833mm) L	Max. Print Area
Media Size	Max. 5.27" (134mm) W Min. 1" (25mm) W x 0.24" (6mm) L ⁽¹⁾	Max. 6.5" (165mm) W Min. 2" (53mm) W x 0.24" (6mm) L ⁽¹⁾	Max. 5.27" (134mm) W Min. 1" (25mm) W x 0.24" (6mm) L ⁽¹⁾		Media Size
Ribbon Size	NA	6.5" (165mm) W x 1968' (600m) L Min. 2.1" (53mm) W, Face-In Wind	5.25" (133mm) W x 1968' (600m) L Min. 1.6" (39.5mm) W, Face-In Wind		Ribbon Size
Dimensions	9.7" W x 16.1" D x 11.7" H 245mm W x 408mm D x 298 mm H	9.7" W x 17.9" D x 11.7" H 245mm W x 455mm D x 298mm H	9.7" W x 16.1" D x 11.7" H 245mm W x 408mm D x 298mm H		Dimensions
Weight	25 lbs. (11.34 kg)	27.5 lbs. (12.5 kg)	25 lbs. (11.34 kg)	25 lbs. (11.34 kg)	Weight

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. Maximum unwind torque: 8 ft./lbs.

Back feed:

Adjustable, ± 10" (255mm)

Sensing:

Transmissive sensor for die cut labels & tags.
Reflective sensor for use with preprinted sensing marks. Automatic, programmable setting to top of 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 (Wired) 10/100BaseT/TX incl. WPCPlus
- Wireless (802.11b) incl. WPCPlus
- RS422/485

Barcode Symbolologies:

Linear: 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). Internal CG Triumvirate & CG Times fonts scalable from 2 to 99 points. Optional downloaded TrueType fonts.

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 Software (Label Gallery Free)
Printer Utilities

Electrical Requirements:

115V/220V (± 10%), 50/60 Hz (± 1%)
Auto-switching

Agency Certifications:

CE, UL, CSA, TÜV, FCC Class A

Other Features:

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



Memory Expansion



Plug-In Interface Modules



Opposite Hand Models



Label Design Software

⁽¹⁾Minimum label length at print speeds greater than 6 ips is 1 inch.

M84Se Printers Features:

► Throughput

The M84Se printers set new benchmarks in label throughput. A new generation RISC processor provides high performance label production even when printing directly from standard Windows® applications.

► Memory

The M84Se printers come with a full 18 MB of on board memory standard! For applications with extreme memory requirements, an optional 4 MB of Flash memory or up to an additional 1 MB of PCMCIA memory can be added.

► Interchangeable

All SATO print engines have the same mounting dimensions and firmware controls allowing the applicator to be upgraded very easily.

► Interface Connection

The M84Se printers are equipped with Plug-In Interface Modules that can be easily installed and field upgraded. The applicator interface has also been enhanced to enable the label applicator greater flexibility with print engine integration.

► Windows® Compatible

Users can produce high quality labels by using either SATO's native command language (SBPL) or design software. SATO's Windows® driver allows users to print easily and efficiently from applications such as Word®, Excel®, Access® and others.

► Backfeed Function

Because the dispense edge is very close to the printing element the backfeed function can ensure that no part of the label is wasted.

