

M84Se



On-line Labelling Modules – SATO M84Se

Engineered to operate in time critical situations, the SATO M84Se Series delivers unrivalled throughput and easily handles complex labels. Built to withstand harsh environments, durability is assured, while the choice of interfaces supports integration into a broad range of integrated systems.

- ✓ **High speed throughput**
- ✓ **Heavy duty construction**
- ✓ **112mm and 152mm print width**
- ✓ **Clock/calendar function**
- ✓ **Easy connectivity**
- ✓ **Powerful memory**
- ✓ **Windows® compatible**
- ✓ **8 and 12 dot/mm resolution**

Speed and Precision – The modules can print popular linear and 2-D bar codes, text and graphics, all of which can be rotated. The RISC processor controls data transmission and throughput, which in combination with print speeds of up to 300mm/sec means time to first label is effectively instantaneous.

Save Time – Engineered to save time, the small gap between print element and dispenser, results in a short backfeed time, while the close position of the dispenser to the object to be labelled is extremely advantageous. The simple label path, large ribbon capacity and the automatic multi-sensor, also ensure that the time taken to change media and to re-start printing is reduced to the minimum.

Reliable – The highest standards of engineering and materials are used to build SATO print engines. They are designed to print high quality labels around the clock with the minimum of maintenance. Printheads are carefully selected for their long life and the heavy duty steel case is intended specifically for production environments.

Flexible – The flexible range of printer options makes it easy to find a SATO OEM Module to meet your labelling needs and the wide choice of interfaces allows for effortless, flexible integration into nearly all applications.

Easy Installation – Minimum clearance space is needed to install the printer and identical fixings and compatibility allows simple upgrading to the system of your choice. This is complemented by the multi-lingual display, which enables straightforward set up and operation by the user.

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	M 8459Se	M 8490Se	M 8485Se	M 8460Se
Printing Method	Direct Thermal	Direct Thermal / Thermal Transfer		
Print Resolution	8 dots/mm (203 dpi)	12 dots/mm (305 dpi)	8 dots/mm (203 dpi)	
Print Direction	Left Hand	Left Hand/Right Hand		
Print Speed	Up to 125mm/sec (5 ips)	Up to 200mm/sec (8 ips)	Up to 300mm/sec (12 ips)	Up to 200mm/sec (8 ips)
Max. Print Width	112mm (4.4")		128mm (5")	152mm (6")
Max. Print Length	1249mm (49.2")	833mm (32.7")	1249mm (49.2")	1249mm (49.2")
Media Size	Min: 22mm (0.86") W x 15mm (0.59") L [Web: 25mm (0.98") W x 18mm (0.71") L] Max: 131mm (5.16") W x 356mm (14.10") L [Web: 134mm (5.3") W x 359mm (14.10") L]			Min: 50mm (1.96") W x 15mm (0.59") L [Web: 53mm (2.00") W x 18mm (0.71") L] Max: 162mm (6.38") W x 356mm (14.10") L [Web: 165mm (6.50") W x 359mm (14.10") L]
Max. Ribbon Size	131mm (5.1") W x 650m (710 yds) L Type: black and colour, face-in	131mm (5.1") W x 650m (710 yds) L Thickness: 4.5 ums Type: black and colour, face-in		165mm (6.5") W x 650m (710 yds) L Thickness: 4.5 ums Type: black and colour, face-in
Dimensions	265mm W x 417mm D x 302mm H (10" W x 16.4" D x 11.9" H)			265mm W x 455mm D x 302mm H (10.4" W x 17.9" D x 11.9" H)
Weight	11.5 kg (25 lbs)	11.5 kg (25 lbs)	11.5 kg (25 lbs)	12.5 kg (28 lbs)

Memory:

Standard Memory: 16 MB SDRAM; 2.9 MB Input Buffer; 2 MB Flash Memory
Memory Expansion Options:
Internal – 4 MB Flash Memory SIMM card
External – up to 4 MB S-RAM Card or up to 16 MB Flash Card

Processor:

- 32-BIT RISC, 118 Mhz

Sensing:

Reflective sensor (I-mark)
See-through sensor (Gap)

Label Thickness:

- Continuous: 0.1 - 0.25mm.
(0.003" - 0.009")
- Dispense: 0.1 - 0.18mm
(0.003" - 0.007")

Print Darkness:

- 3 steps; selectable by printer driver (<ESC> codes) or via display

Print Mode:

- Continuous and dispense for die-cut labels or continuous label material

Plug-In Interface Modules:

- ECP parallel (IEEE 1284)
- Centronics parallel
- RS232C (2,400 – 19,200 Baud)
- RS232C high speed (9,600 – 57,600 baud)
- USB (12 Mbit/s)

- LAN (TCP/IP protocol 10/100 Base T)
- RS422/485
- LAN 802.11b wireless

Bar Code Symbolologies:

- **Linear:** UPC A/E, EAN 8/13, Code 39, Code 93, Code 128, UCC/EAN 128, Interleaved 2/5, Industrial 2/5, Matrix 2/5, Codabar, MSI, Bookland, Postnet
- **2-Dimensional:** Data matrix, Maxicode, PDF 417, QR-Code, RSS-14

Bar Code:

- Ratio: 1:2, 1:3, 2:5
- Size: Height: 4 dots - 600 dots
Width: user definable

Human Readable Fonts:

12 proportional and mono-spaced and outline fonts. (Code page 858, others available)
Internal CG Triumvirate® and CG Times® fonts plus downloaded TrueType®, scalable from 8 - 99 points

Flexibility:

360° rotation of bar code and text in 90° steps; character expansion horizontally and vertically. RAM storage for special characters, dot-addressable graphics, repeat print, sequential numbering, form overlay for high speed editing of complex formats, back feed, Real Time Clock in text and bar code formats.

Graphic Support:

- SATO Hex/Binary format
- PCX format
- BMP format

Character Expansion

- Vertically and horizontally up to x 12

Print Control:

- User programmable via data stream

Data Transmission:

- ASCII

Self Check:

Self Check mode includes head check, bar code check, memory card verification

Power:

- 115V / 230V AC, 50/60 Hz,
Standby 50W, max. 700W

Environmental:

- **Operating:** 5° to 40°C (41° to 104°F)
15 to 85% RH non-condensing
- **Storage:** -20 to 40° (-4° to 104°F)
- Max. 90% RH, non-condensing
- ESD Immunity: 8 kV

Approvals:

- CE, TÜV-GS, UL, CSA

Options:

- Memory expansion, keyboard

Sales Support

If you would like to discuss your needs in more detail or arrange a demonstration, please contact our sales team:

SATO UK Limited. Valley Road, Harwich, Essex CO12 4RR

Tel: +44 (0) 1255 240000 Fax: +44 (0) 1255 240111

E-Mail: enquiries@sato-uk.com

Web: www.sato-uk.com



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