





Maximize productivity for 24/7 mission critical applications

SATO, Beyond Expectations

As a pioneer, SATO's flagship print engine pursues automatic print and apply machine's needs to expand its use in the world.

Easy to Use

- 2 Color Status LED and LCD
- Best-in-class Print Speed and Throughput
- Simple Standalone Mode Support
- Downloadable/Uploadable Printer Setting ,Log ,Data ,via SD and USB



- Easy Tool-less Printhead Replacement
- Simple Roller
 Replacement
- Convenient Access to Backside
- Tool-less Sensor Cover Replacement

Enhanced Connectivity



- Multiple Interfaces Onboard
- D-SUB 25 pin EXT Interface -NPN/PNP Connection
- Standard Emulations Onboard
- Multiple Language Support

www.satoasiapacific.com

GENERAL SPECIFICATIONS | S84-ex/S86-ex

PRINT SPECIFICATIONS

Printer Models

Direct Thermal or Thermal Transfer Direct Thermal Only Ribbon Saver (S84-ex Only)

Print Mode

Dispense, Continuous

S84-ex

Print Resolution

203 dpi 305 dpi 609 dpi (8 dots/mm) (12 dots/mm) (24 dots/mm)

Print Speed

16 ips 14 ips 6 ips (406.4 mm/sec) (355.6 mm/sec) (152.4 mm/sec)

Print Area

Maximum Print Width

4.1" (104.0 mm)

Maximum Length

98.43" (2500.0 mm)	 15.75" (400.0 mm)

S86-ex

Print Resolution

203 dpi (8 dots/mm) 305 dpi (12 dots/mm)

Print Speed

14 ips (355.6 mm/sec) 12 ips (304.8 mm/sec)

Print Area

Maximum Print Width

6.6" (167.5mm)

Maximum Print Length

49.2" (1249.0mm)

MEDIA SPECIFICATIONS

Sensor Type

Adjustable Transmissive Sensor for Gap, Adjustable Reflective Sensor for Black Mark, Paper End, Ribbon Near-end/End

Media Type

Die-cut Labels, Continuous Labels, Roll, 0.125" gap

Media

Width

S84-ex 0.51" (13mm)–5.16" (131mm) S86-ex 2.13" (54mm)–7.09" (180mm)

Minimum Length

Continuous Mode 0.36" (9mm) Dispense Mode 0.51" (13mm)

Thickness

0.002" (0.05mm) - 0.012" (0.31mm)

Ribbon

Width

S84-ex 0.98" (25mm) – 5.04" (128mm) S86-ex 2.32" (59mm) – 6.99" (177mm)

Length

1968.5 ft (600m) on 1" (25.4mm) ID Core

Wind

Face-in, Face-out, No setting Change required

SATO Genuine Consumables

For Maximum Print Quality and Optimum Use, SATO Recommends The Use of SATO Genuine Consumables

MEMORY & PROCESSING SPECIFICATIONS

Receive Buffer

2.95MB

Memory

48MB ROM, 64MB RAM

USER FRIENDLY SUPPORT TOOLS

Large Status LED

- Blue/Red
- Status LCD
- Normal/Orange

Alarm Sound

Beep (3 volume settings)

Self Diagnosis

Head Check Auto Sensor Calibration

Simple Standalone Mode

9 Formats

Emulations

LCD Selectable-SZPL、SDPL

Remote Setting

Web Browser SATO All-In-One Printer Utilities

Drivers

Windows, Linux, SAP Smart Forms, Mac OS X

COMMUNICATION INTERFACES SPECIFICATIONS

Standard

- USB2.0 (Type B) RS232C IEEE1284 Ethernet Protocol TCP/IP: LPR, FTP, TELNET, SNTP D-SUB 25pin EXT
- (14pin conversion cable included)

Optional Interface

Wireless LAN IEEE 802.11b/g/n^{*} Protocol TCP/IP: LPR, FTP, TELNET Security: WEP, WPA, WPA2, Dynamic WEP Bluetooth 2.0+EDR Class2 SPP^{*}

External Memory

USB Type A SD /SDHC Card

OPTIONS

W-LAN Kit^{*} Bluetooth Kit^{*}

FONT SPECIFICATIONS

Internal Fonts

Bitmap

U, S, M, WB, WL, XS, XU, XM, XB, XL, OCR-A, OCR-B, Chinese (GB18030, Big5), Korean (KSX1001) Scalable

Scalable

CG Times, CG Triumvirate™, SATO GAMMA, SATO VICA, Thai, Arabic

Downloadable fonts support

Bitmap, True Type (1byte/2byte), Maximum 11.7MB

BARCODE SYMBOLOGIES SPECIFICATIONS

Barcodes

Linear

Code 39, Code 93, Code 128, CODABAR (NW-7),EAN8/13, GS1 DataBar™, GS1-128 (UCC/EAN128),Interleaved 2/5, Industrial 2/5, JAN8/13, Matrix 2/5,MSI, Bookland, POSTNET™, UPC-A/E Intelligent Mail Barcode

2D Symbologies

PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code, Security QR, Composite Symbologies

OPERATING & ENVIRONMENT CHARACTERISTICS

Electrical Requirements

Universal Auto-ranging Power Supply, 100-240VAC +/-10%, 50/60Hz

Standards & Agency Approvals

IEC 60950, CE Marking ,EN 60950-1, EN 55022 Class A, EN 55024, R&TTE, NEMKO-GS ,cMETus, UL60950-1/CSA C22.2 No. 60950-1, FCC, ICES-003, NMB-003,RCM,CCC,SRRC, KC,

-5 to 40°C, 15-85% RH, Non Condensing

-20 to 60°C, 15-90% RH, Non Condensing

Direct Thermal or Thermal Transfer Model:

Direct Thermal Only Model: 27.1lbs (12.3kg)

Direct Thermal or Thermal Transfer Model:

Direct Thermal Only Model: 27.1lbs (13.6kg)

* Please contact your local SATO office for availability.

SATO ASIA PACIFIC PTE. LTD.

Sales Hotline: +65 6276-2722 Service Hotline: +65 6273-6455

PHYSICAL CHARACTERISTICS

Width: 9.65" (245mm)

Depth: 16.06" (408mm)

Height: 11.81" (300mm)

Width: 9.65" (245mm)

Depth: 18.23" (463mm)

Height: 11.81" (300mm)

438B, Alexandra Road, #09-01/02,

Version: October 2014

Alexandra Technopark Singapore 119968

Tel: (65) 6271-5300 Fax: (65) 6273-6011 Email: sales@satoasiapacific.com

©2014 SATO Asia Pacific. All rights Reserved. Rev A • Specifications subject to change without notice • Any unauthorized reproduction of

this content, in part or whole, is strictly prohibited . SATO is a

registered trademark of SATO Holdings Corporation and its subsidiaries in Japan, the U.S. and other countries. All other trademarks are the property of their respective owners.

30.2lbs (13.7kg)

30.2lbs (15.1kg)

Environment

Operating

Storage

S84-ex

Dimensions

Weight

S86-ex

Dimensions

Weight