Powered On Site /

Print Engines

S84/86 NX



Intelligence • Reliability • Versatility



INTELLIGENCE

- Pre-installed auto-switch competitive printer language emulations
- Full color 3.5" LCD display with intuitive menu and easy navigation
- On-board instructional videos for training and maintenance

VERSATILITY

- Application Enabled Printing (AEP) allowing PC-free operation with interactive controls and interface
- Shortcuts provide user defined quick access to frequently performed operations
- UHF RFID (S84NX only) option for writing, reading, and verifying tags prior to printing



RELIABILITY

- Tool-free maintenance for print head and front-access roller replacement
- Reinforced aluminum construction print head mechanism and larger hinges for strength and durability
- Remote management with SATO Online Services (SOS)



PDF Direct Print · SATO AEP Application Enabled Printing · SOS SATO Online Services · RFID Solutions · RoHS COMPLIANT · Wi Fi CERTIFIED · RAIN RFID

www.satoamerica.com/S84-S86NX

GENERAL SPECIFICATIONS / S84NX - S86NX

PRODUCT SPECIFICATIONS			S84NX			S86NX	
Print Resolution			203dpi (8 dots/mm)	305dpi (12 dots/mm)	609dpi (24 dots/mm)	203dpi (8 dots/mm)	305dpi (12 dots/mm)
Print Speed			16ips (406.4mm/sec)	14ips (355.6mm/sec)	6ips (15.4 2mm/sec)	14ips (355.6mm/sec)	12ips (304.8mm/sec)
Print Area	**Max Width**		4.1" (104mm)			6.6" (167.5mm)	
	Max Length		98.43" (2500mm)	59.06" (1500mm)	15.75" (400mm)	98.43" (2500mm)	59.06" (1500mm)
Media Size (with liner)	**Continuous**	**Width**	0.51" to 5.16" (13 to 131mm)			2.13" to 7.09" (54 to 180mm)	
		Length	0.35" to 98.54" (9 to 2503mm)	0.35" to 59.17" (9 to 1503mm)	0.35" to 15.87" (9 to 403mm)	0.24" to 98.54" (9 to 2503mm)	0.35" to 59.17" (9 to 1503mm)
	Dispense	**Width**	0.51" to 5.16" (13 to 131mm)			2.13" to 7.09" (54 to 180mm)	
		Length	Thermal Transfer Model: 0.51" to 14.13" (13 to 359mm) Direct Thermal Model: 0.71" to 14.13" (18 to 359mm)				
Ribbon	**Length / width**		1476.4ft. (450m) when width is less than 1.56" (39.5mm) 1968.5 ft. (600m) when width is equal or more than 1.55" (39.5mm)			1968.5 ft. (600m) when ribbon width is 2.32" (59mm) to 6.96" (177mm)	
	Roll diameter		4.25" (108mm)				
	Core		Core diameter: Ø 1" (25.4mm)				
	Wind direction		Face-in/out, No Setting Change Required				
	Ribbon Tension		Clutch-Free Electronic Control System				
Dimensions			W 9.65" (245mm) x D 16.06" (408mm) x H 11.81" (300mm)			W 9.65" (245 mm) x D 16.42" (417mm) x H 11.81" (300mm)	
Weight			Thermal Transfer Model: 31lbs (14.1kg) Direct Thermal Model: 28lbs (12.7kg)			Thermal Transfer Model: 34lbs (15.5kg) Direct Thermal Model: 30.8lbs (14.0kg)	

PRINTING SPECIFICATIONS

Method

Direct Thermal / Thermal Transfer or Direct Thermal Only

Mode

Continuous, Dispense

MEDIA SPECIFICATIONS

Sensor Type

Top Sensor, Adjustable Transmissive Sensor for Gap, Adjustable Reflective Sensor for Black Mark, Paper Out, Ribbon Near-End/Out, Label Near-End

Media Type

Die Cut Labels, Paper or Synthetic Stock

Media

Thickness (Label & Liner)

0.002" to 0.012" (0.05 - 0.31mm)

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.

CONNECTIVITY

Standard

2x USB 2.0 Type-A (host) Front and Rear, Ethernet 10/100 Mbps / DHCP / Protocol: TCP/IP, LPR, FTP, TELNET, SNTP, RS232C Standard (XON/XOFF,RTS/CTS), DSUB25 pin (female)

Optional Wireless LAN Kit (Internal)

Wireless LAN, WiFi Certified, WiFi Direct, IEEE 802.11 a/b/g/n/ac Dual Band (2.4GHz, 5GHz), Security: WEP, WPA, WPA2, Dynamic WEP, DHCP Option 81.

OPTIONS

WLAN Kit (specifics above),
RFID Kit (S84NX Only), UHF (920MHz), ISO/IEC 18000-6 Type C Gen 2
For more information about qualified RFID inlays and labels please contact SATO.

MEMORY & PROCESSING

Dual CPU

CPU1: 2 GB Flash, 256MB RAM
CPU2: 4 MB Flash, 64MB RAM
User Registration Area 576MB
Receive Buffer 2.95MB

USER-FRIENDLY SUPPORT TOOLS

Display Panel

3.5" Full-Color LCD
9 buttons control keys

Status LCD

Blue / Red

Audible Alerts

Sound beep (4 volume settings)

Emulation

Auto Detect - SBPL®, SZPL®, SIPL®, SDPL®, (pre-installed), XML, AEP

Rotation

Character data rotation: 0°, 90°, 180°, 270° / Barcode rotation: 0°, 90°, 180°, 270°

Self Diagnosis

Thermal head check, Ribbon end detection, Test print, Head Lift detection, Auto Sensor Calibration

Remote Settings / Maintenance

Web Browser, SATO All-in-One Printer Utilities, SOS, SNMPv3

Additional Functions

Simple Standalone Mode, Multi Language support LCD message (31 Languages), USB Memory, clone functionality and firmware updates, Status return, Micro Label Printing, User guidance videos in display, Custom videos, Energy saving, SOS (SATO Online-services), Direct PDF printing, RTC- (Real-time Clock)

Drivers

Windows, Linux, SAP, MAC OS

FONT SPECIFICATIONS

Internal Fonts

7 bitmap SATO fonts, 30 scalable SATO fonts, Multi-national language support (47 languages/Unicode), Single and double byte fonts (Korean, Chinese, Japanese)

BARCODE SYMBOLOGIES SPECIFICATIONS

Barcodes

Linear

Code 39, Code 93, Code 128, CODABAR (NW-7), EAN 8/13, GS1 DataBarTM, GS1-128 (UCC/EAN 128), Interleaved 2/5, Industrial 2/5, JAN 8/13, Matrix 2/5, MSI, Bookland, POSTNETTM, 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, Aztec

OPERATING CHARACTERISTICS

Electrical Requirements

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

Standards & Agency Approvals

IEC 60950, CE Marking, NEMKO-GS, cMETus, UL60950-1, CSA C22.2, EN 60950-1, FCC, ICES-003, NMB-003, RCM, CCC, SRRC, KC, ROHS compliant

Environment

Operating

23° - 104° F (-5° to 40 °C) / 15 – 85% RH (without condensation)

Storage

-4° - 140° F (-20° to 60 °C) / 15 – 90 % RH (without condensation)

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LABEL MANUFACTURING, SERVICE & SALES

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CANADA CARIBBEAN

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