

Seeing is
believing



S84NX / S86NX Series

The most versatile thermal
print engines yet

With improved flexibility, usability, connectivity and reliability, our flagship print engines are now equipped with next level SATO innovation, eclipsing all previous expectations.

Designed for the most demanding environments, the series is available in both 4" and 6", direct thermal/thermal transfer and direct thermal solutions. Ideal for printing **text data, barcodes, RFID tags and labels**. Its unrivalled versatility in performance is due to its excellent capabilities in emulation, PC-Less printing through Simple Stand Alone Mode or more complex AEP autonomous applications, alongside fast throughput and print speed.



Advanced intelligence

AEP

Application Enabled Printing can swiftly transform and simplify printing operations to reduce business costs. It enables the printer to be used without a PC by connecting to peripheral devices to easily print labels and tags, while maximising productivity by integrating with PLC's, eliminating the need for additional external devices, neither PCs, or any type of special software. It also features useable built-in memory for additional AEP software applications like AEP Utility and AEP Works.

EMULATION

Auto detection of major emulation languages enable seamless switching from SATO legacy models or other brands. These include:

- **Standard SBPL and programmable AEP**
 - SZPL • SDPL • SIPL
 - STCPL • PDF Direct Printing

Improved Usability

BUILT-IN VIDEO

Users can understand how to operate the device in minutes by watching short videos on the printer's 3.5-inch colour display screen, significantly reducing the learning curve. In addition, users can add supplementary images and videos, making it fully customisable to their environment.

REGISTERED SHORTCUTS

Create custom shortcuts to limit access to select parameters only and prevent accidental changes to operations.

EASE OF MAINTENANCE

With no tools required, print head replacement is quick and easy, while a non-stick surface prevents labels from getting jammed. A universal gearbox – that supports all print resolutions – is also used to ensure it can be replaced quickly, while reducing inventory space and time.

High Reliability & Accuracy

RFID-READY

Providing supreme accuracy, SATO printers are designed with high-speed data rates and right-first time tagging capabilities to meet the needs of the most complex business environment.

SOS

By monitoring printers 24/7 via cloud, SATO Online Services enables proactive preventative maintenance and helps reduce downtime by up to 86%*.

*based on survey conducted by SATO in Japan

More Great Features

MULTIPLE INTERFACES

Support both legacy and future host environments with standard RS232C, USB, LAN and NFC interfaces, with network speeds up to 100Mbps. Optional interfaces include Wireless LAN (IEEE 802.11 ac standard) with WEP, WPA, and WPA2 security protocols.

ONE-DISPLAY

Users can take control of print engine operations easily with the built-in virtual display functionality that shows the display in any other device.



IMPROVED STABILITY

Larger hinges are now used to provide extra strength for securing the printer cover, alongside aluminium extrusions to replace the original welded plates for added robustness.

PRINTING SPECIFICATION			S84NX			S86NX						
Printing Method			Direct Thermal and Thermal Transfer or Direct Thermal Only Model									
Print Resolution			8 dots / mm (203 dpi)		12 dots / mm (305 dpi)		24 dots / mm (609 dpi)		8 dots / mm (203 dpi)		12 dots / mm (305 dpi)	
Max. Print Speed			16 ips (406.4 mm/sec)		14 ips (355.6 mm/sec)		6 ips (152.4 mm/sec)		14 ips (355.6 mm/sec)		12 ips (304.8 mm/sec)	
Max. Print Area		Width mm (inch)	104 mm (4.1")						167.5 mm (6.59")			
		Length mm (inch)	2500 mm (98.43")		1500 mm (59.06")		400 mm (15.75")		2500 mm (98.43")		1249 mm (49.17")	
Processor			Dual CPU & Dual OS: CPU1: 800MHz for Linux OS, CPU2: 800MHz for ITRON OS									
Printer Memory			CPU1: 2GB ROM, 256MB RAM, CPU2: 4MB ROM, 64MB RAM									
CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)												
Sensor Type			I-Mark Sensor (Reflective), Label Gap Sensor (Transmissive), Paper-end, Ribbon near-end/end.									
Media Type			Roll or fan-fold die cut labels, Plain paper face stock, Synthetics and Continuous stock									
Media Thickness			0.05 ~ 0.31 mm (0.002" to 0.012")									
Label Size	Continuous	Width	13 to 131mm (0.51" to 5.16")						54 to 180 mm (2.13" to 7.09")			
		Length	9 to 2503 mm (0.35" to 98.54")		9 to 1503 mm (0.35" to 59.17")		9 to 403 mm (0.35" to 15.87")		9 to 2503 mm (0.24" to 98.54")		9 to 1503 mm (0.35" to 59.17")	
	Dispenser	Width	13 to 131 mm (0.51" to 5.16")						54 to 180 mm (2.13" to 7.09")			
		Length	Thermal Transfer Model: 13 to 359 mm (0.51" to 14.13") / Direct Thermal Model: 18 to 359 mm (0.71" to 14.13")									
Ribbon	Length/Width		Width: 25mm to 128 mm (0.98" to 5.04") Length: 450 m (1476.4 ft.) when width is less than 39.5 mm (1.56") 600 m (1968.5 ft.) when width is equal or more than 39.5 mm (1.55")						Width: 59 mm to 177 mm (2.32" to 6.97") Length: 600 m (1968.5 ft.)			
	Roll diameter		108 mm (4.25")									
	Core		Core diameter: Ø 25.4 mm (1")									
	Wind direction		Face-in/out, No Setting Change Required									
Ribbon others			Electronic Ribbon Tension Control System									
FONTS / SYMBOLOGIES												
Internal Fonts	Standard Bitmap		U, S, M, WB, WL, XU, XS, XM, XB, XL, OCR-A, OCR-B									
	TTF Fonts		30 scalable SATO fonts, Multi-national language support (47 languages/Unicode), Single- and double-byte font support (Korean, Chinese, Japanese)									
	Encoding		Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified Chinese), BIG5 (traditional Chinese), KSX1001 (Korean), Thai (CP874), Arabic, UTF-8 and UTF-16BE (downloaded fonts)									
Barcode	Linear		Code 39, Code 93, Code 128, CODABAR (NW7), EAN8/13, GS1-DatabarTM, GS1-128(UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN8/13, Matrix 2/5, MSI, Bookland, Postnet TM, Bookland, UPC-A/E Intelligent Mail Barcode									
	2D Symbolologies		PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code, Security QR code, Aztec Code and Composite Symbolologies									
Print Direction			Character data rotation: 0°, 90°, 180°, 270° / Barcode rotation: 0°, 90°, 180°, 270°									
INTERFACE CHARACTERISTICS AND INTEGRATION												
Standard Interfaces	USB		USB 2.0 type-B / 2 x USB 2.0 Type-A (host) One in the front, one in the rear (Connect scanners and keyboards)									
	LAN		Ethernet 10/100 Mbps / DHCP / Protocol: TCP/IP, LPR, FTP, TELNET, SNTP									
	RS232C		RS232C Standard (XON/XOFF, RTS/CTS)									
	EXT (I/O)		DSUB 25 pin (female) / Amphenol 14 pin (female, optional adapter) Now also AEP Controlled									
Optional Interfaces		Wireless LAN		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.								
External Memory		USB		USB type-A (USB Host)								
Supported printer protocols			Standard SATO: SBPL and programable AEP / Emulation Languages auto detect: SZPL, SDPL, SIPL / Others: XML									
Remote Setting			Web Browser, SATO All-in-One Printer Utilities, SOS, SNMPv3									
Drivers			Windows, Linux, SAP, MAC OS									
OPERATING CHARACTERISTICS												
Power Requirements			Universal Auto-ranging Power Supply, AC 100V AC240V ± 10%, 50/60Hz									
Dimensions			W245mm (9.65") x D408mm (16.06") x H300mm (11.81")						W245 mm (9.65") x D417 mm (16.42") x H300 mm(11.81")			
Weight			Thermal Transfer Model: 14.1 kg (31 lbs) Direct Thermal Model: 12.7 kg (28 lbs)						Thermal Transfer Model 15.5 kg (34.1 lbs) Direct Thermal Model: 14.0 kg (30,8 lbs)			
Environment	Operating		-5° to 40 °C / 15 – 85 % RH (without condensation)									
	Storage		-20 to 60 °C / 15 – 90 % RH (without condensation)									
Display Panel			LCD 3,5 full color display, 9 buttons control keys, Sound beep (4 volume settings), two color LED lighting bars									
MISCELLANEOUS												
Standards & Agency Approvals			EN 62368-1, CE Marking, NEMKO-GS, cMETus, UL60950-1, CSA C22.2, FCC, ICES-003, NMB-003, RCM, CCC, SRRC, KC, ROHS compliant									
Functions – Useful features			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, SOTI and SAS.									
Functions – Self Diagnosis Checking			Thermal head check, Ribbon end detection, Test print, Head Lift detection, Auto Sensor Calibration									
RFID			For more information about qualified RFID labels / inlay combinations please contact SATO									
OPTIONS (EUROPE ONLY)												
Accessories			WLAN Kit, RFID: UHF RFID S84NX Dual antenna and S86NX single antenna configuration; Standard: ISO 18000-6 Type C, Frequency: 868 – 960Mhz, Protocols: EPC Gen 2 Class 1									



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OFERTĂ RAPIDĂ

Ai găsit echipamentul potrivit?

Trimite-ne cerințele tale și primești o recomandare configurată pentru aplicația, volumul și bugetul companiei.

OFERTA TA ÎN 3 PAȘI

01

Trimite-ne cerința

Produs, SKU, cantitate sau descrierea aplicației.

02

Verificăm configurația

Compatibilitate, accesorii, stoc și termen de livrare.

03

Primești rapid oferta

Configurație clară, preț și suport pentru decizie.



Scanează pentru cererea de ofertă

autoid.ro/contact

CERE OFERTĂ

08008 288 643

contact@autoid.ro

L-V 9:00 - 17:00