CL6NX Plus Technical Specifications

PRINTING SE	PECIFICATION	V				
Printing Method				Direct Thermal / Thermal Transfer		
Print Mode				Standard: Continuous, Tear-off		
Print Resolution				8 dots/mm (203 dpi)	12 dots/mm (305 dpi)	
Max. Print Speed				203 dpi: 2-10 ips, (Default 6 ips)	305 dpi: 2-8 ips, (Default 6 ips)	
Width				167	.5mm (6.5")	
Max. Print Area Length				203 dpi: 2500mm (98.42")	305 dpi: 1500mm (59.05")	
Processor				Dual CPU & Dual OS: CPU1: 800MH:	z for Linux OS, CPU2: 800MHz for ITRON OS	
Printer Memo	ory			CPU1: 2GB ROM, 256MB F	RAM, CPU2: 4MB ROM, 64MB RAM	
CONSUMAB	LE SPECIFICA	ATION (Re	ecommended	to use consumables manufactured or supplied by SA	ATO)	
Sensor Type				I-mark Sensor (reflective), Label Gap Sensor (Transmissive)		
Media Type				Roll or fan-fold die cut labels, Plain paper face stock, Synthetics and Continuous stock		
Media Thickn	ess			to 268 (0.060 to 0.26	8 mm) (0.002" to 0.01")	
Label	Roll Diame	l Diameter		Maximum 220mm (8.6") Core diameter: Ø76mm (3.0"), Ø101mm (4.0") Optional 254mm (10") setting		
Shape	Wind Direction			Face In / Face Out. No	Setting Change Required	
Label Size (Without Liner)	Continuous		Length	6 - 2497mm (0.24" - 98.30")	6 - 1497mm (0.24" - 58.94")	
			Width	47 - 177mm (1.85" - 6.97")	47 - 177mm (1.85" - 6.97")	
	Tear-off/ Cu	utter	Length	17 - 2497mm (0.67" - 98.30")	17 - 1497mm (0.67" - 58.94")	
	rear-on/ Cutter		Width	47 - 177mm (1.85" - 6.97")	47 -177mm (1.85" - 6.97")	
	Disponsor		Length	10 - 397mm (0.39" - 15.63")	10 - 397mm (0.39" - 15.63")	
	Dispenser		Width	47 - 177mm (1.85" - 6.97")	47 -177mm (1.85" - 6.97")	
Dul I	Size			Max. Length: 600m (1968.5"). 450m (1476.4") when ribbon width is 59mm (2.32") Max. Roll Diameter: 90mm (3.5"), Ribbon width: 59mm (2.32") to 177mm (6.97")		
Ribbon	Other			Direction: Front / Back, Wind method: Tubeless		
FONTS / SYN	MBOLOGIES					
Standard Bitmap Internal Fonts Scalable Fonts		Bitmap	U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B			
		·		30 SATO TTF Fonts, 2 Outline Fonts		
		Encoding		Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (korean),		
Linea Barcode		Linear 2D Symb		UPC-A/UPC-E, JAN/EAN-13/8, CODE3 CODABAR(NW-7), ITF, Industrial 2 of 5, Matrix USPS code, GS1 DataBar Omnidirectional, GS1 Stacked Omnidirectional, GS1 DataBar Limited, QR Code, Micro QR Code, PDF417, Micro PD	icode: UTF-8 and UTF16BE also supported. 9, CODE93, CODE128, GS1-128(UCC/EAN128), 2 of 5, MSI, POSTNET, UPC add-on code, BOOKLAND DataBar Truncated, GS1 DataBar Stacked, GS1 DataBa GS1 DataBar Expanded, GS1 DataBar Expanded Stack F, Maxi Code, GS1 Data Matrix, Data Matrix (ECC20)	
Print Direction			5	Aztec Code, GS1QR Code and Composite Symbologies. Character data rotation: 0°, 90°, 180°, 270°		
User Downloadable Fonts, Graphics or Formats			or Formats	Maximum 100MB		
					IIIIIII TOOMB	
INTERFACE CHARACTERISTICS AND INTEGRATION Interfaces and protocols			TO HATEORY	USB 2.0 (Type A & B), RS232C, IEEE1284, EXT, Bluetooth Ver. 3.0, NFC, Ethernet (IPv4/v6) supporting:TCP/IP, LPR, FTP, SNMPv3, NTP, HTTP, DHCPv4, wired 802.1x, Stateless Auto Configuration, Stateful Auto Configuration (DHCPv6)		
Optional				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		
Remote Access				SNMP Ver.3, HTTPs		
Supported printer protocols				Standard: SBPL (SATO Barcode Printer Language) Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL		
OPERATING	CHARACTER	ISTICS				
Power Requir				AC100V ~ AC240V±10%, 50	0/60 Hz, Auto-ranging Power Supply	
·		Operating		0 - 40°C / 30 - 80% RH (without condensation)		
Environment		Storage		-20 - 60°C / 30 - 90% RH (without condensation)		
Dimensions				Width 338mm × Depth 457mm × Height 321mm (not including projections) (13.30" × 17.99" × 12.64")		
Weight				20.3kg (44.75 lbs)		
Display Panel				TFT Full Color LCD, 3.5"(320 x 240 RGB)		
MISCELLANE						
Functions – Useful features				Micro Label Printing, SATO Application Enabled Printing, SATO Online Services, SOTI Connect, Direct PDF printing, 18 User Guidance Videos on LCD, Space for Customized Videos, Multi Langua Support LCD Message (31 Languages), Energy Saving, Large Status LED, Multiple Interfaces-Auto Switching, USB Memory for Data Clone & Copy, Status Return, Alarm Sound		
				3, ,	crosse at copy, ctatae notaril, marin count	
Functions – S	elf Diagnosis (Checking			Ribbon end detection, Test print, Head lift detection	

















CL6NXPlus

A pioneering 6"
Thermal Industrial Printer

CL6NX Plus

Built to enhance track and trace operations throughout the global supply chain.

Businesses are increasingly harnessing the power of data to underpin traceability, enhance productivity and improve customer satisfaction - and the rise of IoT continues to drive transformation across many industries.

Following years of extensive research and experience, SATO has created the CL6NX Plus to provide customers with the on-site service they need to significantly boost their efficiency. The industry-leading 6-inch thermal printer is designed to meet the requirements of mid-range to high-end label printing environments.



MEET ALL YOUR PRINTING NEEDS WITH ONE COMPLETE SOLUTION.

Speed & Precision

High Print Speed & Precision

Offers high print precision ideal for micro label applications and print speed even at high resolution.



2-8 ips at 305 dpi

Usability

Intuitive Operation

Easily detect operational errors with LED indicators and speed up maintenance with video guidance on full colour LCD screen.

Easy Setup & Maintenance

Field installable parts and tool-less platen replacement simplify setup and maintenance.





Multilingual Support

47 print and 31 display languages ensure the printer is optimised for global use.



Pre-installed Emulation Languages

Auto-detection of all major emulation languages enables seamless conversion from older SATO models or other branded printers to the CL6NX Plus.

Multiple Interfaces

Connect via multiple interfaces including Bluetooth, serial, parallel, LAN and USB. WLAN optional kit is also available.

Application Enabled Printing (AEP)

AEP enables the user to directly connect the printer to keyboards, weigh scales, barcode scanners and more, for simplified printing without the need of a PC.

Preventative Maintenance Built In

Maximum Uptime performance

View printer status with one touch and perform preventative maintenance before any errors occur. PureLine™ platen rollers provide visual indication of the degree of wear to enable preventative maintenance. Smart Head to track, trace and monitor print head usage. Longer ribbons mean less downtime as a result of replenishment

Durable & Functional Design

Metal casing with bi-fold cover makes printer suitable for use in industrial environments with limited space.





CL6NX Plus

The CL6NX Plus speaks your language and seamlessly integrates into systems across a wide range of industries

Key Applications

Retail

Ideal for high-volume distribution label printing

- o CL6NX Plus helps prevent incorrect deliveries of goods from warehouses to stores
- o Ensure increased sales and customer satisfaction through efficient in-store and supply chain labelling
- The CL6NX Plus enables more efficient stocktaking & visibility of store inventory by re-labelling products from factories with RFID. A wide range of labels, tags, tickets for various needs from markdown to anti-tampering are available



Transport & Logistics

Enhance visibility and agility labelling across the supply chain

- o From goods receiving to inventory management to shipping, the CL6NX Plus can enables users to save various label templates for easy selection and setup
- Choose from a wide selection of labels, including 3-layer labels, to process shipping information and return of goods labels

Automotive

Efficiently ID tag products to boost productivity

- o The CL6NX Plus is ideal for the automotive industry to efficiently boost operations throughout the supply chain
- o With AEP and PDF Direct Printing, the printer processes data in PDF format from PC to print, enabling the cutting and sorting of ID tags automatically without worker intervention at high accuracy.
- o Users can also print directly from PLC to printer and easily implement the same printing application at any manufacturing location
- o RFID support
- PDF Direct Printing







Manufacturing

Accurately label raw materials and products for greater traceability

- o Built for tough industrial use, the CL6NX Plus enables manufacturers to gain clear visibility and traceability of products - a useful benefit in the event of product defect
- Electronic manufacturers can also leverage SATO's heat resistant labels with the CL6NX Plus for the high precision printing of micro-PCB labels for electronic products which can be extremely small



CL6NX Plus Further Beyond Expectations. | A pioneering 6" Thermal Industrial Printer satoeurope.com



An onboard intelligence that expands the scope of your label printing applications





Custom Applications

With AEP, users can create a unique standalone application that is catered to specific on-site operational needs, which can be run directly on the printer without host software

CL6NX Plus prints labels and displays instructions on LCD screen for operators to sort (left or right) the printed labels for further processing.

PC-less Printing

Connect CL6NX Plus directly to barcode scanners, indicator lights, weight scales, keyboards, etc. for a wider variety of printing applications, without the need of a PC.

Users can input data directly using a barcode scanner or keypad to simplify the labelling process

Direct Printing from PLC

With AEP, users can easily integrate CL6NX Plus into other devices, such as a Programmable Logic Controller (PLC), to streamline label printing by eliminating the need for device customisation or special printer firmware









an IoT solution that enables you to keep your operations visible and running





Monitor your printers 24/7 via the SOS cloud platform and enable proactive preventative maintenance that reduces printer downtime by as much as 86%!

*based on survey conducted by SATO in Japan



Proactive Preventative Maintenance

SOS Smart App



SOS allows users to monitor printers centrally (view operation status, print mileage, expected replacement required for expendable parts, etc.) at a glance and perform preventative maintenance before issues occur.

SOS will send a notification via email to the chosen user outlining the printer situation, enabling you to solve errors immediately.





Manage Printers at Multiple Locations

With SOS, you can manage a fleet of printers and change print speed, print darkness, print position and network settings efficiently, from anywhere at any time.

