CL6NX Plus Technical Specifications

PRINTING SPECI	FICATION						
Printing Method			Direct TI	Direct Thermal / Thermal Transfer			
Print Mode			Standa	rd: 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)			
Max. Print Area	Width			167.5mm (6.5")			
	Length		203 dpi: 2500mm (98.42")	305 dpi: 1500mm (59.05")			
Processor			Dual CPU & Dual OS: CPU1: 800MHz for Linux OS, CPU2: 800MHz for ITRON OS				
Printer Memory				MB RAM, CPU2: 4MB ROM, 64MB RAM			
CONSUMABLE S	PECIFICATION (R	ecommended t	o use consumables manufactured or supplied b	by SATO)			
Sensor Type			I-mark Sensor (reflective), L	abel Gap Sensor (Transmissive)			
Media Type			Roll or fan-fold die cut labels, Plain paper	face stock, Synthetics and Continuous stock			
Media Thickness			to 268 (0.060 to 0.268 mm) (0.002" to 0.01")				
Label Shape	Roll Diameter	Ma	aximum 220mm (8.6″) Core diameter: Ø76mm	(3.0"), Ø101mm (4.0") Optional 254mm (10") setting			
Laber Shape	Wind Direction		Face In / Face Out. No Setting Change Required				
	Continuous		7mm (9 - 2500mm including mount) (203dpi) " - 98.30" (0.35" - 98.42" including mount)	6 - 1497mm (9 - 1500mm including mount) (305dpi) 0.24" - 58.94" (0.35" - 59.05" including mount)			
	Continuous		- 177mm (50 - 180mm including mount)	47 - 177mm (50 - 180mm including mount)			
			5" - 6.97" (1.97" - 7.08" including mount) 7mm (20 - 2500mm including mount) (203dpi)	1.85" - 6.97" (1.97" - 7.97" including mount) 17 - 1497mm (20 - 1500mm including mount) (305dpi)			
Label Size (Without Liner)	Tear-off/ Cutte	0.67 r	" - 98.30" (0.79" - 98.42" including mount)	0.67" - 58.94" (0.79" - 59.05" including mount)			
(Without Liner)		1.85	47 - 177mm (50 - 180mm including mount) 10 - 397mm (13 - 400mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount) 0.39" - 15.63" (0.51" - 15.75" including mount)				
	Dispenser	0.39" - 15.	n (13 - 400mm including mount) (203dpi) 63" (0.51" - 15.75" including mount)	10 - 397mm (13 - 400mm including mount) (305dpi) 0.39" - 15.63" (0.51" - 15.75" including mount)			
			- 177mm (50 - 180mm including mount) 5" - 6.97" (1.97" - 7.08" including mount)	47 -177mm (50 -180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount)			
Ribbon	Size			76.4") when ribbon width is 39.5mm (1.55") on width: 39.5mm (1.55") to 177mm (6.97")			
	Other Direction: Front / Back, Wind method: Tubeless OLOGIES						
FONTS / SYMBO	LOGIES						
	Standard	l Bitmap	U, S, M, WB, WL, XS, XU, XM, X	XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B			
Internal Fonts	Scalable	Fonts	30 SATO TTF Fonts, 2 Outline Fonts				
	Encoding		Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (korean), BIG5 (traditional) JIS, SHIFT-JIS. Unicode: UTF-8 and UTF16BE also supported. UPC-A/UPC-E, JAN/EAN-13/8, CODE39, CODE93, CODE128, GS1-128(UCC/EAN128), CODABAR(NW-7), ITF, Industrial 2 of 5, Matrix 2 of 5, MSI, POSTNET, UPC add-on code, BOOKLAND, USPS code, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar				
Barcode			Stacked, GS1 DataBar Stacked Omnidirec Datal	tional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 Bar Expanded Stacked PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200),			
2D Symbologies		ologies	Aztec Code, GS1QR Code and Composite Symbologies.				
Print Direction				ta rotation: 0°, 90°, 180°, 270°			
User Downloadab	le Fonts, Graphics	or Formats		Maximum 100MB			
INTERFACE CHA	RACTERISTICS A	ND INTEGRAT					
Standard Interface	es		TCP/IP, LPR, FTP, SNMPv3, NTP, HTTP, DHCPv4, Stateless Auto Configuration, Stateful Auto Configuration (DHCPv6)				
Optional Interface			Security: WEP, WPA, WPA2, Dynamic WEP				
Remote Access		SNMP Ver.3, HTTPs					
Supported printer	protocols			(SATO Barcode Printer Language) ito detect - SZPL, SDPL, SIPL, STCL, SEPL			
OPERATING CHA	RACTERISTICS						
Power Requirement	nts		AC100V ~ AC240V±10	%, 50/60 Hz, Auto-ranging Power Supply			
En la l	Operatir	ig	0 - 40°C / 30 -	80% RH (without condensation			
Environment	Storage		-20 - 60°C / 30 -	- 90% RH (without condensation)			
Dimensions				m × Height 321mm (not including projections) 0″ x 17.99″ x 12.64″)			
Weight				20.3kg (44.75 lbs)			
Display Panel			TFT Full Co	lor LCD, 3.5"(320 x 240 RGB)			
MISCELLANEOU	S						
Standards & Agen	icy Approvals		Please contact your nearest SATO sales r	epresentative regarding agency approvals for your region			
Functions – Useful	l features		Direct PDF printing, 18 User Guidance Vid Support LCD Message (31 Languages), E Switching, USB Memory for D	Enabled Printing, SATO Online Services, SOTI Connect, leos on LCD, Space for Customized Videos, Multi Language inergy Saving, Large Status LED, Multiple Interfaces-Auto- lata Clone & Copy, Status Return, Alarm Sound			
Functions – Self D	iagnosis Checking		Thermal head check, Paper end detecti	on, Ribbon end detection, Test print, Head lift detection			
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Further Beyond **Expectations**



CL6NXPlus

A pioneering 6" Thermal Industrial Printer



satoeurope.com

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.

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.









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Flexibility & Connectivity

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.



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

Key Applications

Retail

3-laver

Ideal for high-volume distribution label printing

- o CL6NX Plus helps prevent incorrect deliveries of goods from warehouses to stores
- Ensure increased sales and customer satisfaction through efficient in-store and supply chain labelling
- The CL6NX Plus enables more efficient stocktaking & visibility 0 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



the supply chain 018-3333-4444 018-5555-6666 0

Transport & Logistics

Enhance visibility and agility labelling across

- 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

- The CL6NX Plus is ideal for the automotive industry to efficiently boost operations throughout the supply chain
- 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.
- Users can also print directly from PLC to printer and easily implement the same printing application at any manufacturing location
- o RFID support
- o Direct PDF printing



Manufacturing

greater traceability

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Accurately label raw materials and products for

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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





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





Application Enabled Printing is a powerful printing system that enables the customisation of printer operations to achieve a simplified labelling process and reduced business costs.

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 needing 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



SATC

AEP



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

Video



SOS Smart App

Demo_company01

B Daily Checkup

I Asset management add printe Clone applicatio Dashboard () Logout Term & condition

Version 11.1.0

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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 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.

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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.

Further Beyond Expectations. | A pioneering 6" Thermal Industrial Printer





