

Further Beyond Expectations.



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

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.







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.



Flexibility & Connectivity

Multilingual Support

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



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

Ideal for high-volume distribution label printing

- CL6NX Plus helps prevent incorrect deliveries of goods from 0 warehouses to stores
- Ensure increased sales and customer satisfaction through 0 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

Transport & Logistics

Enhance visibility and agility labelling across the supply chain

- From goods receiving to inventory management to 0 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 0 labels, to process shipping information and return of goods labels

TEL: 018-3333-4444 FAX: 018-5555-6666

3-lave shipping/ return **l**ab sed loT service to keep ations running & visible

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€ 79.90

Blue

123456 Category: Top/T-shirt

RFID Size: Co**l**or:

Code:

RFID price tag





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

Part label

Developing Unit

PART NO: A12ER72733

Quantity: 1 Date: 18/08/20XX

- o RFID support
- o PDF Direct Printing





Accurately label raw materials and products for greater traceability • Built for tough industrial use, the CL6NX Plus enables

• 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



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 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





AVAND

CL6NX Plus

Enabled Printin

M

SOS SATO Online Services

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

Video



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



Customer

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.

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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.

CL6NX Plus Technical Specifications

PRINTING SP	PECIFICATIO	ON							
Printing Meth	iod			Direct Therr	nal / Thermal Transfer				
Print Mode				Standard: Continuous, Tear-off					
Print Resoluti	on			8 dots/mm (203 dpi)	12 dots/mm (305 dpi)				
Max. Print Sp	eed			203 dpi: 2-10 ips, (Default 6 ips)	305 dpi: 2-8 ips, (Default 6 ips)				
		Width		1 1 2 2 1 2	7.5mm (6.5″)				
Max. Print Area Length			203 dpi: 2500mm (98.42") 305 dpi: 1500mm (59.05")						
Processor				Dual CPU & Dual OS: CPU1: 800MH	Iz for Linux OS, CPU2: 800MHz for ITRON OS				
Printer Memo	ory			CPU1: 2GB ROM, 256MB	RAM, CPU2: 4MB ROM, 64MB RAM				
		CATION (R	ecommended	to use consumables manufactured or supplied by S	ATO)				
Sensor Type Media Type				I-mark Sensor (reflective), Label Gap Sensor (Transmissive) Roll or fan-fold die cut labels, Plain paper face stock, Synthetics and Continuous stock					
Media Type Media Thickn	000				•				
		otor		to 268 (0.060 to 0.268 mm) (0.002" to 0.01")					
Label Shape	Roll Diameter Wind Direction			Maximum 220mm (8.6") Core diameter: Ø76mm (3.0"), Ø101mm (4.0") Optional 254mm (10") setting					
Shape				Face In / Face Out. No Setting Change Required					
	Continuo	ous	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")				
Label Size (Without	Tear-off/	Cutter	Length	17 - 2497mm (0.67" - 98.30")	17 - 1497mm (0.67" - 58.94")				
Liner)			Width	47 - 177mm (1.85" - 6.97")	47 -177mm (1.85" - 6.97")				
	Dispense	ar	Length	10 - 397mm (0.39" - 15.63")	10 - 397mm (0.39" - 15.63")				
	Dispense		Width	47 - 177mm (1.85" - 6.97")	47 -177mm (1.85" - 6.97")				
	Size				Max. Length: 600m (1968.5"). 450m (1476.4") when ribbon width is 59mm (2.32")				
Ribbon	Other	r		Max. Roll Diameter: 90mm (3.5"), Ribbon width: 59mm (2.32") to 177mm (6.97") Direction: Front / Back, Wind method: Tubeless					
FONTS / SYN		:		Direction. Front, Duck					
	/IBOLOGIES		Diture						
		Standard		U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B					
Internal Fonts	5	Scalable	Fonts		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.				
		Linear			39, 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 Stacked, GS1 DataBar				
Barcode				Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked					
		2D Symbologies		QR Code, Micro QR Code, PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200),					
, ,			<u>.</u>	Aztec Code, GS1QR Code and Composite Symbologies.					
Print Direction User Downloadable Fonts, Graphics or Formats				Character data rotation: 0°, 90°, 180°, 270°					
					kimum 100MB				
INTERFACE	CHARACTE	RISTICS A	ND INTEGRA						
Interfaces and protocols				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				-	IEEE 802.11 a/b/g/n/ac Dual Band (2.4GHz, 5GHz)				
Optional				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 o	detect - SZPL, SDPL, SIPL, STCL, SEPL				
OPERATING		RISTICS							
Power Requirements					0/60 Hz, Auto-ranging Power Supply				
Environment		Operating		0 - 40°C / 30 - 80% RH (without condensation)					
	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)					
MISCELLAN	2005			Micro Label Printing CATO Application	abled Printing SATO Opling Services COTI Com				
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 Languag Support LCD Message (31 Languages), Energy Saving, Large Status LED, Multiple Interfaces-Auto Switching, USB Memory for Data Clone & Copy, Status Return, Alarm Sound					
Functions – Self Diagnosis Checking				U , y	Ribbon end detection, Test print, Head lift detection				
OPTIONS									









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