

Further Beyond Expectations



CL6NXPlus

A pioneering 6" Thermal Industrial Printer

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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



Size: Color: RFID price tag Code Category: Top/T-shirt € 79.90

Blue

123456

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

018-3333-4444

3-lave shipping/ return lab 018-5555-6666

ased IoT service to keep erations running & visible







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

Accurately label raw materials and products for greater traceability

- 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

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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



A X Y NO

CL6NX Plus

Enabled Printing

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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.

- SOS to	pe - Real-time · Device	series - CL4NX,CL4NX-3,4	DLENK, CLENK J	· Device status	- ONLINE		
Display :	101 to 300 of 1,644 Ø		& Usage list	A faset man	agement list	L Device list 🔍 Sear	ah.
Series	Last connection date	Country	558045 II	Hodel name	Life counter 11	Print head usage ratio	Next service timing (Pr
CL4NX	2019-02-21 13:36:22	Thailand	ONLINE	CL4NX 305dpl	36.5 km	1.4 %	2022-10
CL4NX	2019-02-21 13:31:32	China	ONLINE	CL4NX 305dpl	0.3 km	0.7 %	2073-04
CLANX	2019-02-21 13:37:42	China	ONLINE	CLANX 3056pi	10.3 km	20.6 %	2021-05
CL4NX	2019-02-21 13:35:07	Malaysia	ONLINE	CL4NX 305dpl	93.0 km	79.3 %	2019-03
CLANX	2019-02-21 13:31:59	Thaland	ONLINE	CLANX 2054pi	25.4 km	25.4 %	2021-02
CL4NX	2019-02-21 13:40:42	Viet Nam	ONLINE	CLINX 3054pi	3.2 km	6.8 %	2026-01
CL4NX	2019-02-21 13:27:45	Viet Nem	ONLINE	CL4NX 305dpl	52.0 km	30.0 %	2020-11
CL4NX	2019-02-21 13:35:40	Malaysia	ONLINE	CL4NX 305dpi	66.4 km	100.0 %	2019-01
CL4NX	2019-02-21 13:37:25	Viet Nem	ONLINE	CL4NX 305dpl	1.6 km	3.4 %	2039-04
CLANX	2019-02-21 13:33:14	China	ONLINE	CL4NX 305dpl	10.3 km	0.1 %	2073-03
CLANX	2019-02-21 13:30:51	Halavsia	ONLINE	CLANX 30560	1.5 km	3.0 %	2047-09



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.

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CL6NX Plus Technical Specifications

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)			
Max. Print Area	Width			167.5mm (6.5″)			
Nax. I fint Area	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			CPU1: 2GB ROM, 256	MB RAM, CPU2: 4MB ROM, 64MB RAM			
CONSUMABLE SP	PECIFICATION (Rec	ommended to	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	ximum 220mm (8.6") Core diameter: Ø76mm (3.0"), Ø101mm (4.0") Optional 254mm (10") setting				
арег зпаре	Wind Direction	n Face In / Face Out. No Setting Change Required					
	Continuous	6 - 2497mm (9 - 2500mm including mount) (203dpi) 6 - 1497mm (9 - 1500mm including mount) (305dpi) 0.24" - 98.30" (0.35" - 98.42" including mount) 0.24" - 58.94" (0.35" - 59.05" including mount)					
	Continuous	47 - 177mm (50 - 180mm including mount) 47 - 177mm (50 - 180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount) 1.85" - 6.97" (1.97" - 7.97" including mount) 17 - 2497mm (20 - 2500mm including mount) (203dpi) 17 - 1497mm (20 - 1500mm including mount) (305c					
Label Size	Tear-off/ Cutter	0.67"	17 - 1497mm (20 - 1500mm including mount) (305dpi) 0.67" - 58.94" (0.79" - 59.05" including mount)				
(Without Liner)		1.85	- 177mm (50 - 180mm including mount) " - 6.97" (1.97" - 7.08" including mount)	10 - 397mm (13 - 400mm including mount) (305dpi) 0.39" - 15.63" (0.51" - 15.75" including mount)			
	Dispenser	0.39″ - 15.6	10 - 397mm (13 - 400mm including mount) (203dpi) 10 - 397mm (13 - 400mm including mound) 0.39" - 15.63" (0.51" - 15.75" including mount) 0.39" - 15.63" (0.51" - 15.75" including mount)				
		47 - 177mm (50 - 180mm including mount) 47 - 177mm (50 - 180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount) 1.85" - 6.97" (1.97" - 7.08" including mount) Max. Length: 600m (1968.5"). 450m (1476.4") when ribbon width is 39.5mm (1.55")					
Ribbon	Size		Max. Roll Diameter: 90mm (3.5"), Ribbon width: 39.5mm (1.55") to 177mm (6.97")				
	Other		Direction: Front / Back, Wind method: Tubeless				
ONTS / SYMBOL	OGIES						
	Standard B	litmap	U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B				
Internal Fonts	Scalable Fonts		30 SATO TTF Fonts, 2 Outline Fonts				
Encoding Barcode 2D Symbol			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 Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS				
		ogies	DataBar Expanded Stacked QR Code, Micro QR Code, PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200 Aztec Code, GS1QR Code and Composite Symbologies.				
Print Direction				ta rotation: 0°, 90°, 180°, 270°			
Jser Downloadabl	e Fonts, Graphics o	r Formats		Maximum 100MB			
	RACTERISTICS AND		ON				
Standard Interfaces Optional Interface Remote Access			USB 2.0 (Type A & B), RS232C, IEEE1284, EXT, NFC, Ethernet (IPv4/v6) supporting:TCP/IP, LPR, FTI SNMPv3, NTP, HTTP, DHCPv4, Stateless Auto Configuration, Stateful Auto Configuration (DHCPv6 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. Bluetooth Ver. 3.0 SNMP Ver.3, HTTPs				
			Standard: SBPL (SATO Barcode Printer Language)				
Supported printer	•			ito detect - SZPL, SDPL, SIPL, STCL, SEPL			
OPERATING CHA							
Power Requiremen				%, 50/60 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" x 17.99" x 12.64")				
Weight		20.3kg (44.75 lbs)					
Display Panel			TFT Full Col	lor LCD, 3.5″(320 x 240 RGB)			
MISCELLANEOUS							
Standards & Agency Approvals Functions – Useful features			Please contact your nearest SATO sales representative regarding agency approvals for your region 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 Language 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 – Useful	features						







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