

Further Beyond Expectations.

CL4NX Plus

REID

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SIN 776 9-01

Best-in-class 4" Thermal Industrial Printer

satoeurope.com

CL4NX Plus

Designed for Track & Trace Operations Globally

The rise of IoT is driving digital transformation across industries. Increasingly, businesses use data to gain traceability, enhance productivity and improve customer satisfaction. With our extensive experience in providing solutions to serve customers' on-site needs, we are proud to introduce CL4NX Plus, the industry's leading 4-inch industrial thermal printer designed to meet the requirements of mid-range to high-end label printing environments.

KEY APPLICATIONS:

Manufacturing

Blue 123456

Category: Top/T-shirt

\$79.90

RFIDI

Size:

Color:

Code:

BEID price tag

Raw material to product labelling for greater traceability

Built for tough industrial use, CL4NX Plus helps manufacturers gain clear visibility and traceability from raw materials to finished products which is especially helpful in the event of product defect.

Electronic manufacturers can leverage SATO's heat resistant labels and CL4NX Plus for high precision printing of micro PCB labels for their electronic products that are getting ever smaller.





Backyard to in-store labelling for higher sales and customer satisfaction

Ideal for high-volume distribution label printing, CL4NX Plus helps prevent incorrect deliveries of goods from warehouses to stores.

Retailers can also achieve 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.







Automotive

018-3333-4444 018-5555-6666

d-based IoT service

3-layer shipping/ return label

Effective identification tagging for productivity boost

CL4NX Plus is ideal for automobiles and parts makers to boost efficiency and productivity.

With AEP and PDF Direct Printing, printer processes data in PDF format from PC to print, cut and sort ID tags automatically without worker intervention at high accuracy. User can also print directly from PLC to printer and easily implement same printing application at any manufacturing plants.

AND MANAGEMENT

MATH



Transport & Logistics

Supply chain labelling for enhanced agility and visibility

Suitable for labelling across the supply chain, from goods receiving, inventory management to shipping, user can save various label templates in CL4NX Plus for easy selection and setup.

Choose from our wide label selection including special types such as 3-layer labels suitable for shipping and return of goods.

We 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 16% faster print speed than other industrial printers even at high resolution.

Continuous Usage 30% More Media

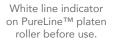
More media per roll and longer ribbon mean lesser downtime for media replenishment.

Minimal Downtime



View status of all printers at a glance and perform proactive preventative maintenance before error occurs. PureLine[™] platen roller provides visual indication of the degree of wear to enable preventative maintenance.



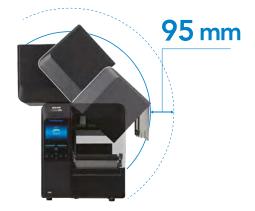




White line starts to fade when platen roller starts to wear out.

Durable & Functional Design

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





Die-cast aluminium construction for greater stability and durability.



Stainless steel is used for the paper transport route. Printing position does not shift due to resin shaving.



Highly durable thermal head enables long-term high-quality printing.



14 ips at 305 dpi



Usability Intuitive Operation

Enable prompt response by easily detecting operation errors with red / blue LED indicator lights. Speed up maintenance and error resolution with video guidance on full colour LCD screen.

Easy Setup & Maintenance

Field installable parts, snap-in print head and tool-less platen replacement simplifies setup and maintenance.





We speak your language & integrate seamlessly into your business.

Flexibility & Connectivity Pre-installed Emulation Languages

Auto detection of major emulation languages enable seamless switching from SATO legacy models or other brands to CL4NX Plus.

SBPL/SZPL/SDPL/SIPL/STCL/SEPL

Multilingual Support

Supports 47 print and 31 display languages making this model suitable for global use.

Direct Connectivity to Peripheral Devices



Xin Chào Halo

AEP enables user to directly connect printer to keyboards, weight scales, barcode scanners and more for simplified printing without needing a PC.

Multiple Interfaces

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





Expand the scope of your label printing applications



Enabled Printing





Application Enabled Printing is a powerful printing intelligence that enables customisation of printer operations to achieve wider scope of printing applications, simplify labelling processes and reduce business costs.

Custom Applications

With AEP, we can create custom standalone applications to cater to your on-site operational needs. Application can be run directly on the printer, independent of host software.

CL4NX 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 CL4NX Plus directly to barcode scanners, indicator lights, weight scales, keyboards, etc. for a wider variety of printing applications, without the needing a PC.

Input data directly using barcode scanner and numeric keypads to simplify label printing.

Direct Printing from PLC

With AEP, user can easily integrate CL4NX Plus with other devices such as Programmable Logic Controller (PLC) to streamline label printing by eliminating the need for device customisation or special printer firmware.





IoT solution to keep your operations running & visible

Video

SOS

SATO Online Services



By monitoring your printers 24/7 via cloud, SATO Online Services enables proactive preventative maintenance and helps you reduce printer downtime by as much as 86%.

*based on survey conducted by SATO in Japan



Customer

Proactive Preventative Maintenance

Monitor printers centrally (view operation status, print mileage, expected replacement required for expendable parts, etc.) at a glance and perform preventative maintenance before issues occurs, SOS sends a notification. SOS send notification via email according to the situation of your printer, solving errors immediately.

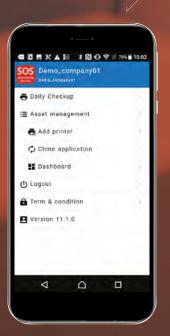
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Manage Printers at Multiple Locations

Manage printer fleet such as view and change print speed, print darkness, print position and network settings efficiently from anywhere at anytime.

SOS Smart App



satoeurope.com

CL4NX Plus Technical Specifications

PRINTING SPECIFICATI							
Printing Method			Direct Thermal / Thermal Transfer				
Print Mode		Continuous, Tear-off, Cutter, Dispenser, Linerless					
Print Resolution			8 dots/mm (203 dpi)	12 dots/mm (305 dpi)	24 dots/mm (609 dpi)		
Max. Print Speed			14 ips (355 mm/sec)	14 ips (355 mm/sec)	6 ips (152 mm/sec)		
Max. Print Area	Width, mm (inch)		104mm (4.09")				
Length, mm (inch)		2500mm (98.42") 1500mm (59.05") 400mm (15.75")					
Processor			Dual CPU & Dual OS: CPU1: 800MHz for Linux OS, CPU2: 800MHz for ITRON OS CPU1: 2GB ROM, 256MB RAM, CPU2: 4MB ROM, 64MB RAM				
Printer Memory							
CONSUMABLE SPECIFI	CATION (Recomm	ended to u	se consumables manufactured or s	upplied by SATO)			
Sensor Type			I-mark Sensor (Reflective), Label Ga	ap Sensor (Transmissive)			
Media Type			Roll or fan-fold die cut labels, Plain	paper face stock, Synthetics and Continuous	s stock		
Media Thickness		0.060 - 0.268mm (0.0024" - 0.011")					
Label Shape	Diameter		Maximum 265mm (10.43"), Core diameter: Ø76mm (3.0"), Ø101mm (4.0")				
· · · · · · · · ·	Wind Direction		Face In / Face Out. No Setting Change Required				
	Continuous Tear-off/ Cutter Dispenser	Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")		
		Length	6 - 2497mm (0.24" - 98.30")	6 - 1497mm (0.24" - 58.94")	6 - 397mm (0.24" - 15.63")		
		Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")		
Label Size		Length	17 - 2497mm (0.67" - 98.30")	17 - 1497mm (0.67" - 58.94")	17 - 397mm (0.67" - 15.63")		
(Without Liner)		Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")		
		Length	10 - 397mm (0.39" - 15.63")*1	10 - 397mm (0.39" - 15.63")*1	10 - 397mm (0.39" - 15.63")*1		
	Linerless	Width	60 - 118mm (2.36" - 4.65")	60 - 118mm (2.36" - 4.65")	60 - 118mm (2.36" - 4.65")		
	2.110.11035	Length	30 - 120mm (1.18" - 4.72")	30 - 120mm (1.18" - 4.72")	30 - 120mm (1.18" - 4.72")		
Ribbon	Size		Max. Length: 600m (1968.5′). 450m (1476.4′) when ribbon width is 39.5mm (1.55″) Max. Roll Diameter: 90mm (3.5″), Ribbon width: 39.5mm (1.55″) to 128mm (5.04″)				
	Other		Core diameter: Ø25.4mm (1"), Wind direction : Face In/ Face Out, No Setting Change Required				
FONTS / SYMBOLOGIE	S						
	Standard Bitmap		U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B				
La contra con	Scalable Fonts		30 SATO Fonts, 2 Outline Fonts				
Internal Fonts	Encoding		Majour Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (Korean), BIC5 (traditional), JIS, SHIFT-JIS, UTF-8 and UTF-16BE also supported				
Barcode	Linear		UPC-A/UPC-E, JAN/EAN-13/8, CODE39, CODE93, CODE128, GS1-128(UCC/EAN128), CODABAR(NW-7), ITF, Industrial 2 of 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, GS1 DataBar Expanded Stacked				
	2D Symbologies		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			Aztec Code, GSTOR Code and Composite Symbologies Character data rotation: 0°, 90°, 180°, 270°				
User Downloadable Fonts, Graphics or Formats			Maximum 100MB				
INTERFACE CHARACTE		GRATION					
				() DC222C IEEE4204 EVT DL +++1 // 2	02 NEC		
Standard Interfaces			USB 2.0 (Type A & B), Ethernet (IPv4/v6), RS232C, IEEE1284, EXT, Bluetooth Ver. 3.0 ¹² , NFC				
Optional Interface			Wireless LAN, WiFi Certified, WiFi Direct, IEEE 802.11 a/b/g/n Dual Band (2.4GHz, 5GHz)				
Remote Access			SNMP Ver.3, HTTPs Standard: SBPL (SATO Barcode Printer Language) Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL				
			Stanuaru, SDFL (SALO Barcode Printe				
OPERATING CHARACT	ERISTICS						
Power Requirements			AC100V ~ AC240V±10%, 50/60 Hz, Auto-ranging Power Supply				
	Operating		0 - 40°C / 30 - 80% RH (without condensation)				
Environment	Operating Linerless		5 - 35°C / 30 - 75% RH (without condensation)				
	Storage		-20 - 60°C / 30 - 90% RH (without condensation)				
Dimensions			271mm (10.67") × 457mm (18.00") × 321mm (12.64")				
Weight			15.1kg (33.28 lbs)				
Display Panel			TFT Full Color LCD, 3.5"(320 x 240 RG	SB)			
MISCELLANEOUS							
Standards & Agency Approva	als		Please contact your nearest SATO sale	es representative regarding agency approvals	s for your region		
Functions – Useful features			Micro Label Printing, SATO Application Enabled Printing, SATO Online Services, 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 Copy, Status Return, Alarm Sound				
					106 1		
Functions – Self Diagnosis Ch	necking		Thermal head check, Paper end detec	tion, Ribbon end detection, Test print, Head	lift detection		
Functions – Self Diagnosis Cł OPTIONS	necking		Thermal head check, Paper end detec	tion, Ribbon end detection, Test print, Head	lift detection		



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ROHS

WIFI CERTIFIED

🚯 Bluetooth