

SIN 776 9-0

E AMAMAMAN KIARA KANA

# Further Beyond Expectations

# CL4NX Plus

Best-in-class 4" Thermal Industrial Printer

satoeurope.com

# CL4NX Plus

# **Designed for Track & Trace Operations Globally**

The rise of Internet of Things 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.

PCB component label

Developing Unit PART NO: A12ER72733 William William William William William Quantity: 1 Date: 18/08/20XX

鬣

SAT00310

Part label

## Retail Backvard

# 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 to keep

3-layer shipping/ return label

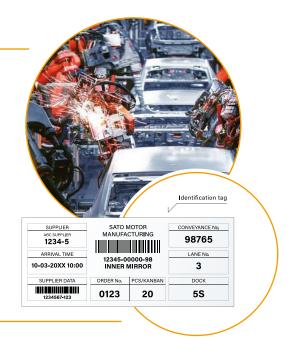
# Effective identification tagging for productivity boost

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

MATO



## **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<sup>™</sup> platen roller provides visual indication of the degree of wear to enable preventative maintenance.



White line indicator on PureLine™ platen roller before use.



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.



TO Online

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

น่ล สวัสดี *こんにちは* 

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.



## **Easy Configuration**

Easy to pair with android/iphone app.



#### satoeurope.com



## Expand the scope of your label printing applications



Enabled Printing

## Video



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.

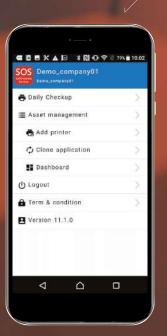
-106	type - Test time - Besle milled designs - Dottede	auries - D. Mar. C	energane and	1 - Perile crim	+ 04.34		
South.	101 in 102 of Law &-	Streeting (Americanity (American)					
sein.		Garry	i fonn	Index lateral	une example in	Arere 1984 unage 1989	And service similar
0.455	1019-12-21 10 10 22	TRAVAUL	151.09	\$1.411 ITTUN	25.8.55	241	MID-21
0.456	1009-02-01 11:00 02-	chies	05100	CLASS DRAW	TIM	37.9	1019-94
10.001	1014-03111 13:07-42	China	161216	21411 19364	1034e	12.3 %	2424.84
0.481	8829-40-21 13:36 85	inalaccia.	(61246	CLANX INTRO	68.0 km	16.2 %	3115-23
SLAND.	1019-03-01 10:01-09	Thetand	211216	CLASS: STREW	264.64	26.7 %	2020-02
0,151	30/0-02 31 10-00-12	Vest liters	analytic .	Citty: Jates:	1210	6.8 %	2121-115
0.161	\$810-00-21 12-17-18	Vatilian	enited	dates being	62.6 40	38.8 %	2020.03
0.411	1000-00011220-00	House	avies:	CLAIM 30509	86/# km		1019-01
Direct.	1010-02-01 11:07.03	Vectors .	OV161	CLARK STRUM	18100	24.9	2019-04
6,846	\$1179-32-31 1X-33-34	Citra .	analet.	GARNA JARREN	20.2 km	8.1.70	2413-63
11490	2010/02/25 12:20:25	1101010	(MIN)	GARA Inform	1.1-05	2.0%	last-up



## 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



### **CL4NX Plus Technical Specifications**

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			104 mm (4.09")	0 103 (102 1111/300)			
Processor		2500 mm (98.42") Dual CPU & Dual OS: C	1500 mm (59.05") PU1: 800MHz for Linux OS. CPU2: 8	400mm (15.75") 300MHz for ITRON OS				
			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 SPECI	FICATION (Recom	mended to u	use consumables manufactured or supp					
ensor Type			I-mark Ser	nsor (Reflective), Label Gap Sensor (Tra	nsmissive)			
/ledia Type			**ADD DETAILS HERE					
Media Thickness			0.060 - 0.268 mm (0.0024" - 0.011")					
	Diameter		Maximum 220 mm (8,6") with Internal Dispenser. Core diameter: Ø76 mm (3.0"), Ø101 mm (4.0")					
abel Shape	Wind Directio	n	Face In / Face Out. No Setting Change Required					
	Continuous		6 - 2497mm (0.24" - 98.30")	6 - 1497 mm (0.24" - 58.94")	6 - 397 mm (0.24" - 15.63")			
	Tear-off/	Width	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")			
		Length	17 - 2497mm (0.67" - 98.30")	17 - 1497 mm (0.67" - 58.94")	17 - 397 mm (0.67" - 15.63")			
abel Size	Cutter	Width	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")			
Without Liner)	D:	Length	10 - 397mm (0.39" - 15.63")*1	10 - 397 mm (0.39" - 15.63")*1	10 - 397 mm (0.39" - 15.63")*			
	Dispenser	Width	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")			
	Linearla	Length	30 - 120 mm (1.18" - 4.72")	30 - 120 mm (1.18" - 4.72")	30 - 120 mm (1.18" - 4.72")			
	Linerless	Width	60 - 118 mm (2.36" - 4.65")	60 - 118 mm (2.36" - 4.65")	60 - 118 mm (2.36" - 4.65")			
libbon	Size		Max. Length: 600 m (1968.5′). 450 m (1476.4′) when ribbon width is 39.5 mm (1.55″) Max. Roll Diameter: 90 mm (3.5″), Ribbon width: 39.5 mm (1.55″) to 128 mm (5.04″)					
	Other		Core diameter: Ø25.4mm (1"), Wind direction : Face In/ Face Out, No Setting Change Required					
FONTS / SYMBOLOG	IES							
	Standard Bitmap		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 Fonts, 2 Outline Fonts					
	Encoding		Majour Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (Korean), BIG5 (traditional), JIS, SHIFT-JIS, Unicode UTF-8 and UTF-16BE also supported					
Linear Barcode			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, BOOKLAN USPS code, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded,					
	2D Symbolo	ogies	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			Character data rotation: 0°, 90°, 180°, 270°					
User Downloadable F	onts, Graphics or	Formats	Maximum 100MB					
INTERFACE CHARAC	TERISTICS AND IN	TEGRATION						
Interfaces and protoc	cols		USB 2.0 (Type A & B), RS232C, IEEE1284, EXT, Bluetooth Ver. 3.0, NFC, Ethernet (IPv4/v6) support ing:TCP/IP, LPR, FTP, SNMPv3, NTP, HTTP, DHCPv4, wired 802.1x, Stateless Auto Configuration, Stateful Auto Configuration (DHCPv6)					
Optional Interface			Wireless LAN, WiFi Certified, WiFi Direct, IEEE 802.11 a/b/g/n/ac Dual Band (2.4GHz, 5GHz) Securi WEP, WPA, WPA2, Dynamic WEP, DHCP Option 81					
Remote Access			SNMP Ver.3, HTTPs					
Supported printer pr	otocols		Standard: SBPL (SATO Barcode Printer Language) Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL					
OPERATING CHARAC	TERISTICS		Emulation Early					
Power Requirements			AC100V ~ AC	240V±10%, 50/60 Hz, Auto-ranging	Power Supply			
	Operating			D°C / 30 - 80% RH (without condense				
Environment	Operating Linerless		$5 - 35^{\circ}$ C / $30 - 75^{\circ}$ RH (without condensation)					
	Storage		-20 - 60°C / 30 - 90% RH (without condensation)					
Dimensions	-		271 mm (	10.67") × 457 mm (18.00") × 321 mr	n (12.64″)			
Weight			15.1kg (33.28 lbs)					
-			TFT Full Color LCD, 3.5"(320 x 240 RGB)					
Display Panel			IF					
MISCELLANEOUS	Approvala			Printers are globally certified				
Standards & Agency Approvals			Micro Label Printing, SATO Application Enabled Printing, SATO Online Services, 18 User Guidance Videos on LCD, Space for Customized Videos, Multi Language Support LCD					
Functions – Useful fe	atures		Message (31 Languages), Energy Saving, Large Status LED, Multiple Interfaces-Auto-Switching, USE Memory for Data Copy, PDF Direct Printing, SFPL, Status Return, Alarm Sound					
Functions – Self Diag	nosis Checking		Thermal head check, Paper end d	etection, Ribbon end detection, Tes	t print, Head lift detection			
OPTIONS Accessories				er with Internal Liner Rewinder, Real				
Accessories			Barcode Checker, Exter	nal Rewinder, External Cover, RFID L	JHF & HF, Rotary Cutter			
Blue	tooth Wiffi	) N	RoHS		Powered <b>On Site</b>			
	CERTIFIEL			@ 2021 CAT	O CORPORATION. All rights rese			

All information in this leaflet is accurate as of 2021 May. Product specifications are subject to change without notice. Any unauthorized reproduction of the contents of this leaflet, in part or whole, is strictly prohibited. All other software, product or company names are trademarks or registered trademarks of their respective owners. © 2021 SATO CORPORATION. All rights reserved. For more information, please contact your local SATO office, or visit: satoeurope.com