Reset your expectations.

CL4NX Plus

Raising the bar for industrial label printers

SATO

satoeurope.com

CL4NX Plus

Optimise print precision, increase printing speeds and expand operational capability with this high-quality industrial printer from SATO.

The CL4NX Plus is able to handle both high-end and mid-range printing requirements in one complete solution and represents the evolution of SATO industrial thermal printers. The industry-leading printer enables the reduction of labour costs as a result of fewer media changes and also possesses a broader selection of media, including reduced label sizes which save on costs and boosts sustainability.

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The best industrial printer just got better.

A result of the Ceaseless Creativity of our global R&D network, the CL4NX Plus printer incorporates value-added features in a world-class design to deliver a printing solution that goes beyond expectations.

IDEAL FOR APPLICATIONS IN:

- ⊘ Retail
- ⊘ Supply Chain
- ⊘ Manufacturing
- ⊘ Automotive
- ⊘ Food Industry
- ⊘ Healthcare

CL4NX Plus

NEW FEATURES:

- 14ips printing speed even at 305pi
- Increased precision for micro label applications
- 30% more ribbon capacity*
- 80% more media capacity*

Key Features:

- 47 print and 31 display languages
- SATO Online Services (SOS) enabled
- Application Enabled Printing (AEP) 3.0

- Simple to operate
- High printing accuracy
- Plug-and-play
- Keeps operations running for longer

- Best in class ribbon core (compared to other label printers)
- UHF, HF RFID and NFC print & encode capabilities (coming soon)

CL4NX Plus Technical Specification

PRINTING SPECIFICATION

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		
Printer Memory		CPU1: 2GB ROM, 256MB RAM, CPU2: 4MB ROM, 64MB RAM		

CONSUMABLE SPECIFICATION (Recommended to use consumables manufactured or supplied by SATO)

Sensor Type			I-mark Sensor (Reflective), Label Gap Sensor (Transmissive)		
Media Type			Roll or fan-fold die cut labels, Plain paper face stock, Synthetics and Continuous stock		
Media Thickness			0.060 - 0.268mm (0.0024" - 0.011")		
Label Shape	Diameter		Maximum 265mm (10.43") / Maximum 220mm (8.66") When using dispenser with liner rewinder Core diameter: Ø40mm (1.5") Ø76mm (3.0"), Ø101mm (4.0"), / 76mm (3.0") When using dispenser with liner rewinder.		
	Wind Direction		Face In / Face Out. No Setting Change Required.		
Label Size (Without Liner)	Continuous	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")
	Tear-Off / Cutter	Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")
		Length	17 - 2497mm (0.67" - 98.30")	17 - 1497mm (0.67" - 58.94")	17 - 397mm (0.67" - 15.63")
	Dispenser	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") DT Only	10 - 397mm (0.39" - 15.63") DT Only	10 - 397mm (0.39" - 15.63") DT Only
	Linerless	Width	60 - 118mm (2.36" - 4.65")	60 - 118mm (2.36" - 4.65")	60 - 118mm (2.36" - 4.65")
		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 / SYMBOLOGIES

Internal Fonts	Standard Bitmap	U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B
	Scalable Fonts	30 SATO Fonts, 2 Outline Fonts
	Encoding	Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (Korean), BIG5 (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 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, 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		Character data rotation: 0°, 90°, 180°, 270°
User Downloadable Fonts, Graphics or Formats		Maximum 100MB

INTERFACE CHARACTERISTICS AND INTEGRATION

Standard Interfaces	USB 2.0 (Type A & B), Ethernet (IPv4/v6), RS232C, IEEE1284, EXT, Bluetooth Ver. 3.0[2]
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
Supported printer protocols	Standard: SBPL (SATO Barcode Printer Language) Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL

OPERATING CHARACTERISTICS

Power Requirements		AC100V ~ AC240V±10%, 50/60 Hz, Auto-ranging Power Supply
Environment	Operating	0 - 40°C / 30 - 80% RH (without condensation)
	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 RGB)

MISCELLANEOUS

Standards & Agency Approvals	Please contact your nearest SATO sales representative regarding agency approvals for your region
Functions – Useful Features	Micro Label Printing, SATO Application Enabled Printing, SATO Online Services, 18 User Guidance Videos on LCD, Space for Customised 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, Smart Head with internal head counter, Pure Line Platen Roller.
Functions – Self Diagnosis Checking	Thermal head check, Paper end detection, Ribbon end detection, Test print, Head lift detection

OPTIONS

Accessories	Cutter, Linerless Kit, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Checker Kit, External Rewinder, External Cover, RFID (coming soon), Rotary Cutter (coming soon)

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