SATO CL4NX

A USER FRIENDLY WAY TO INTRODUCE RFID TO YOUR LABEL PRINTING PROCESS

The Sato CL4NX was designed with the future in mind—with HF RFID encoding capabilities and a durable design this printer will not only prepare you for the era of industry 4.0, but is built to last with a protective aluminum outer casing.

An intuitive interface, improved re-load access and tool-less maintenance bring ease of use and downtime reduction to your facility.

- Easy operation

- Durable design

- RFID capability

- High speed printing

Sato CL4NX

Print Resolution		203 dpi (8 dots/mm)
Print Speed		10 ips (254 mm/s)
Print Area	Max Width	4.1" (104 mm)
	Max Length	98.43" (2500 mm)
Media Width		0.98" (25 mm) ~ 5.15" (131 mm)
Ribbon Width		1.55" (39.5 mm) ~ 5.04" (128 mm)
Dimensions		D:17.99" (457 mm) W:10.66" (271 mm) H:12.63" (321 mm)
Weight		33 lbs. (15 kgs)

Print Specifications

Method		Direct Thermal or Thermal Transfer
Mode		Continuous, Tear-off, Cutter, Dispense, Linerless

Media Specifications

Sensor Type		Adjustable Transmissive Sensor for Gap, Adjustable Reflective Sensor for Black Mark, Paper Out, Ribbon Near-End/Out, Label Near-End
Media Type		Roll (Continuous, Die-cut, Linerless), Fan-fold, Tag, Ticket
Media	Minimum Length (With Liner)	Continuous 0.35" (9 mm) Tear-off Cutter 0.79" (20 mm) Dispenser 1.18" (30 mm)
	Thickness (Label & Liner)	0.002" (0.060 mm) – 0.011" (0.268 mm)
	Roll Diameter	Up to 8.6" OD (220 mm) on 3" (76.0 mm) ID Core Optional 10" OD (254.0 mm)
	Wind	Face-in/Face-out, No Setting Change Required
Ribbon	Length	1,968.5 ft (600 m) on 1" (25.4 mm) ID Core
	Roll Diameter	Maximum 3.54" (90.0 mm)
	Wind	Face-in/Face-out, No Setting Change Required
SATO Genuine Consumables		For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables.

Communication Interfaces Specifications

Standard	USB 2.0 (Type A, Type B), Ethernet (IPv4/IPv6) on Rear Panel, USB 2.0 (Type A) on Front Panel, RS-232C, IEEE1284, EXT on Standard Interface Board, Bluetooth® Ver. 3.0, NFC
Optional Wireless LAN Kit (Internal)	Wi-Fi®, Wi-Fi Direct® and CCX (Cisco®) Version 4 Certified, IEEE 802.11 a/b/g/n, Dual Band (2.4 GHz, 5 GHz)

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Memory & Processing

Dual CPU	CPU1: 2GB Flash, 256MB RAM CPU2: 4MB Flash, 64 MB RAM

User Friendly Support Tools

Large Status LED	Blue/Red
Audible Alerts	Adjustable Volume Setting
Self Diagnosis	Head Check, Cutter-Cover Open, Stand-by Mode, Auto-Calibration
Display Panel	3.5" Full Color LCD
Tool Free Maintenance	Print Head Replacement and Adjustment, Platen Replacement
Multi-national Language Support	47 Printable Languages with Scalable Fonts 31 Languages for LCD Menu
Operation Video	Multiple Instructional Videos On-board (e.g. Error Resolution, Media Loading, Parts Replacement and Cleaning)
Emulation	Auto Detect - SBPL®, SEPL®, SZPL®, SDPL®, SIPL® or STCL® (Pre-installed), XML, AEP* *Contact your SATO Sales Manager for more information/requirements
Remote Maintenance	SNMP Ver. 3, HTTPS (Web Interface)

Options

Cutter, Powered Stacker, Linerless Cutter Kit, Dispenser with Internal Liner Rewinder, Realtime Clock, UHF RFID (ISO18000-6 Type C), HF/ NFC RFID (ISO/IEC 15693 or ISO/IEC 14443 Type A), WLAN Kit, Barcode Validator, External Rewinder (RWG-500) - Full 8" OD Roll Take Up Note: Linerless and RFID available in CL4NX Model only. Dispenser only option available in CL6NX Model.

Font Specifications

Internal Fonts	10 Bitmap SATO Fonts, 15 Scalable SATO Fonts, Multi-National Language Support (47 Languages/Unicode), Single and Double Byte Fonts (Korean, Chinese, Japanese)

Barcode Symbologies

Linear	Code 39, Code 93, Code 128, CODABAR (NW7), EAN8/13, GS1-Databar™, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN 8/13, Matrix 2/5, MS1, Bookland, Postnet™, UPC-A/E
2D Symbologies	PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symbologies, Aztec
User Downloadable Fonts, Graphics or Format	Maximum 100MB

Computype™

Sato CL4NX		
Operating & Environment Characteristics		
Electrical Requirements		Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz Energy Star Compliant
Standards & Agency Approvals		IEC 60950, CE Marking, EN 60950-1, EN 55022 Class A, EN 55024, R&TTE, NEMKO-GS, cMETus, UL60950-1/CSA C22.2 No. 60950-1, FCC 15 (SUB B, C), ICES-003, NMB-003, BIS, C-Tick, RCM, CCC, SRRC, KC, S-Mark (Arg), SIRIM, IDA, PTQC, NBTC, ANATEL
Environment	Operating	32 to 104°F (0 to 40°C), 30-80% RH, Non-condensing; Linerless: 40 to 95°F (5 to 35°C) 30 - 75% RH, Non-condensing
	Storage	-4 to 140°F (-20 to 60°C), 30 - 90% RH, Non-condensing
Physical Characteristics		
Construction		Die-cast Aluminum (Base, Frame, Front Cover, Ribbon Spindle, Print Head Mechanism)
Side-Cover		Space saving design with large media supply window and bi-fold door for easy access in confined locations
Secure Mounting		3 Keyhole Slots on Chassis for Flat or Incline Setting