



Industrial Thermal Printer



CL4NX Plus

Fast • Precise • Intelligent



SIMPLE & DURABLE

- Metal casing and large bi-fold opening for easy access
- Aluminum cast frame and print head mechanism
- Platen roller visual wear indicator
- Tool-free maintenance

PERFORMANCE

- High accuracy print placement
- Best-in-class print speeds up to 14 ips
- 30% more ribbon & 80%¹ more label media capacity
- Seamless RFID encoding

INTELLIGENCE

¹ May vary depending on the media type

- Full-color LCD screen with on-board instructional videos
- Pre-installed competitive printer language emulations
- Simplified operation with Application Enabled Printing (AEP)
- Remote management with SATO Online Services (SOS)



www.satoamerica.com/CLNX

GENERAL SPECIFICATIONS / CL4NX Plus

PRODUCT SPECIFICATIONS					
Print Resolution			203 dpi (8 dots/mm)	305 dpi (12 dots/mm)	609 dpi (24 dots/mm)
Print Speed			14 ips (355mm/sec)	14 ips (355mm/sec)	6 ips (152mm/sec)
Print Area	Max Width		4.09" (104mm)		
	Max Length		98.42" (2500mm)	59.05" (1500mm)	15.75" (400mm)
Media Size (with liner)	Width	Continuous / Tear Off / Cutter / Dispenser	0.98" - 5.16" (25 - 131mm)		
		Linerless	2.36" - 4.65" (60 - 118mm)		
	Length	Continuous	0.35" - 98.43" (9 - 2500mm)	0.35" - 59.06" (9 - 1500mm)	0.35" - 15.74" (9 - 400mm)
		Tear Off / Cutter	0.79" - 98.43" (20 - 2500mm)	0.79" - 59.06" (20 - 1500mm)	0.79" - 15.74" (20 - 400mm)
		Dispenser	Thermal Transfer: 0.51" - 15.74" (13mm - 400mm), Direct Thermal: 1.18" - 15.74" (30 - 400mm)		
		Linerless	1.18" - 4.72" (30 - 120mm)		

PRINTING SPECIFICATIONS	CONNECTIVITY	BARCODE SYMBOLOGIES
Method Direct Thermal or Thermal Transfer	Standard USB 2.0 (Type A, Type B), Ethernet (IPv4/IPv6) on Rear Panel, USB 2.0 (Type A) on Front Panel, RS-232C, Parallel Port, EXT I/O Interface, NFC	Barcodes Linear Code 39, Code 93, Code 128, CODABAR (NW7), EAN8/13, GS1-DatabarTM, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN 8/13, Matrix 2/5, MSI, Bookland, PostnetTM, UPC-A/E
Mode Continuous, Tear-off, Cutter, Dispenser, Linerless	Optional Wireless LAN Kit (Internal) Wi-Fi® and Wi-Fi Direct® Certified, IEEE 802.11ac, Dual Band (2.4 GHz, 5 GHz)	2D Symlogies PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symlogies, Aztec
MEDIA SPECIFICATIONS	MEMORY & PROCESSING	OPERATING CHARACTERISTICS
Sensor Type Top Sensor, Adjustable Transmissive Sensor for Gap, Adjustable Reflective Sensor for Black Mark, Paper Out, Ribbon Near-End/Out, Label Near-End	Dual CPU CPU1: 2GB Flash, 256MB RAM CPU2: 4MB Flash, 64 MB RAM	Electrical Requirements Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz
Media Type Roll (Continuous, Die-cut, Linerless), Fan-fold, Tag, Ticket	User Downloadable Fonts, Videos, Graphics or Format Maximum 100MB	Standards & Agency Approvals Please contact SATO regarding agency approvals in your area.
Media Thickness (Label & Liner) 0.0024" - 0.011" (0.060 - 0.268mm)	USER FRIENDLY SUPPORT TOOLS Large Status LED Blue / Red	Environment Operating 32 to 104°F (0 to 40°C), 30-80% RH, (without condensation); Linerless: 40 to 95°F (5 to 35°C) 30 - 75% RH, (without condensation)
Roll Diameter Up to 10" OD (254mm) on 3" (76.0mm) ID Core	Audible Alerts Adjustable Volume Setting	Storage -4 to 140°F (-20 to 60°C), 30 - 90% RH, (without condensation)
Wind Face-in / Face-out. No Setting Change Required	Self Diagnosis Head Check, Cutter-Cover Open, Stand-by Mode, Auto-Calibration	PHYSICAL CHARACTERISTICS Dimensions 18.00" L x 10.67" W x 12.64" H (271mm x 457mm x 321mm)
Ribbon Length 1,968.5' (600m) on 1" (25.4mm) ID Core	Display Panel 3.5" Full Color LCD	Weight 33.28 lbs (15.1kg)
Width 1.55" - 5.04" (39.5 - 128mm)	Tool-Free Maintenance Print Head Replacement and Adjustment, Visual Wear Indicator for Platen Roller (Pure Line)	Construction Die-cast Aluminum (Base, Frame, Front Cover, Ribbon Spindle, Print Head Mechanism)
Roll Diameter Maximum 3.54" (90.0mm)	Multi-national Language Support 47 Printable Languages with Scalable Fonts 31 Major Latin, Pan European and Asian Languages for LCD Menu	Side-cover Space saving design with large media supply window and bi-fold door for easy access in confined locations
Wind Face-in/Face-out, No Setting Change Required	Operation Videos Multiple Instructional Videos On-board, Space for Customized Videos	Secure Mounting 3 Keyhole Slots on Chassis for Flat or Incline Setting
SATO Genuine Consumables For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables.	Emulation Auto Detect - SBPL®, SEPL®, SZPL®, SDPL®, SIPL® or STCL® (pre-installed), XML, PDF Direct Printing*, AEP* *Contact your SATO Sales Representative for more information/requirements	MISCELLANEOUS Functions - Useful Features Micro Label Printing, Standalone Printing with SATO Application Enabled Printing (AEP), SATO Online Services (SOS), Multiple Interfaces-Auto-Switching, Status Return
FONT SPECIFICATIONS	Remote Maintenance	Rotation Auto-label Rotation: 0°, 90°, 180°, 270°
Internal Fonts 17 Bitmap SATO Fonts, 30 Scalable SATO Fonts, Multi-National Language Support (47 Languages/Unicode), Single and Double Byte Fonts (Korean, Chinese, Japanese)	Remote Maintenance SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect	
RFID SPECIFICATIONS	OPTIONS	
Options UHF: Gen 2 ISO/IEC 18000-6C HF: ISO/IEC 15693 & ISO/IEC 4443	OPTIONS Guillotine Cutter, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Barcode Validator, RWG500 External Rewinder, UHF RFID, HF RFID, Wireless LAN	

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LABEL MANUFACTURING, SERVICE & SALES

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