



Industrial Thermal Printer



CL4NX Plus

Fast · Precise · Intelligent



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 encoding²

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

INTELLIGENCE

- 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

¹ May vary depending on the media type

² Coming soon

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		14ips(355mm/sec)	14ips(355mm/sec)	6ips(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

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

MEDIA SPECIFICATIONS

Sensor Type	Top Sensor, 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	

Thickness (Label & Liner)	0.0024" - 0.011" (0.060 - 0.268mm)
Roll Diameter	Up to 10" OD (254mm) on 3" (76.0mm) ID Core
Wind	Face-in/Face-out. No Setting Change Required
Ribbon	
Length	1,968.5" (600m) on 1" (25.4mm) ID Core
Width	1.55" - 5.04" (39.5 - 128mm)
Roll Diameter	Maximum 3.54" (90.0mm)
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.
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FONT SPECIFICATIONS

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)
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CONNECTIVITY

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, Bluetooth® Ver. 3.0, NFC
Optional Wireless LAN Kit (Internal)	Wi-Fi® and Wi-Fi Direct® Certified, IEEE 802.11 a/b/g/n, Dual Band (2.4 GHz, 5 GHz)

MEMORY & PROCESSING

Dual CPU	CPU1: 2GB Flash, 256MB RAM CPU2: 4MB Flash, 64 MB RAM
User Downloadable Fonts, Videos, Graphics or Format	Maximum 100MB

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, Visual Wear Indicator for Platen Roller (Pure Line)
Multi-national Language Support	47 Printable Languages with Scalable Fonts 31 Major Latin, Pan European and Asian Languages for LCD Menu

Operation Videos	Multiple Instructional Videos On-board, Space for Customized Videos
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Emulation	Auto Detect - SBPL®, SEPL®, SZPL®, SDPL®, SIPL® or STCL® (Pre-installed), XML, Direct PDF Printing, AEP* *Contact your SATO Sales Representative for more information/requirements
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Remote Maintenance	SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect
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OPTIONS

	Guillotine Cutter, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, HS-200 Power Stack, RFID (coming soon), Rotary Cutter (coming soon)
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BARCODE SYBLOGIES

Barcodes	
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, MSI, Bookland, Postnet™, UPC-A/E
2D Symbolologies	PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symbolologies, Aztec

OPERATING CHARACTERISTICS

Electrical Requirements	Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz
Standards & Agency Approvals	Please contact SATO regarding agency approvals in your area.
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)
Storage	-4 to 140°F (-20 to 60°C), 30 - 90% RH, (without condensation)

PHYSICAL CHARACTERISTICS

Dimensions	18.00" L x 10.67" W x 12.64" H (271mm x 457mm x 321mm)
Weight	33.28 lbs (15.1kg)
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
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Secure Mounting	3 Keyhole Slots on Chassis for Flat or Incline Setting
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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
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Rotation	Auto-label Rotation: 0°, 90°, 180°, 270°
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LABEL MANUFACTURING, SERVICE & SALES

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CANADA CARIBBEAN

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