



# 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%<sup>1</sup> more label media capacity
- Seamless RFID encoding<sup>2</sup>

## 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](http://www.satoamerica.com/CLNX)

<sup>1</sup> May vary depending on the media type

<sup>2</sup> Coming soon

# GENERAL SPECIFICATIONS / CL4NX Plus

## PRODUCT SPECIFICATIONS

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

## PRINTING SPECIFICATIONS

<b>Method</b>	Direct Thermal or Thermal Transfer
<b>Mode</b>	Continuous, Tear-off, Cutter, Dispenser, Linerless

## MEDIA SPECIFICATIONS

<b>Sensor Type</b>	Top Sensor, Adjustable Transmissive Sensor for Gap, Adjustable Reflective Sensor for Black Mark, Paper Out, Ribbon Near-End/Out, Label Near-End
<b>Media Type</b>	Roll (Continuous, Die-cut, Linerless), Fan-fold, Tag, Ticket
<b>Media</b>	
<b>Thickness (Label &amp; Liner)</b>	0.0024" - 0.011" (0.060 - 0.268mm)
<b>Roll Diameter</b>	Up to 10" OD (254mm) on 3" (76.0mm) ID Core
<b>Wind</b>	Face-in/Face-out. No Setting Change Required

<b>Ribbon</b>	
<b>Length</b>	1,968.5" (600m) on 1" (25.4mm) ID Core
<b>Width</b>	1.55" - 5.04" (39.5 - 128mm)
<b>Roll Diameter</b>	Maximum 3.54" (90.0mm)
<b>Wind</b>	Face-in/Face-out, No Setting Change Required

<b>SATO Genuine Consumables</b>	For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables.
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## FONT SPECIFICATIONS

<b>Internal Fonts</b>	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

<b>Standard</b>	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
<b>Optional Wireless LAN Kit (Internal)</b>	Wi-Fi® and Wi-Fi Direct® Certified, IEEE 802.11 a/b/g/n, Dual Band (2.4 GHz, 5 GHz)

## MEMORY & PROCESSING

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

## USER FRIENDLY SUPPORT TOOLS

<b>Large Status LED</b>	Blue/Red
<b>Audible Alerts</b>	Adjustable Volume Setting
<b>Self Diagnosis</b>	Head Check, Cutter-Cover Open, Stand-by Mode, Auto-Calibration
<b>Display Panel</b>	3.5" Full Color LCD
<b>Tool-Free Maintenance</b>	Print Head Replacement and Adjustment, Visual Wear Indicator for Platen Roller (Pure Line)

<b>Multi-national Language Support</b>	47 Printable Languages with Scalable Fonts 31 Major Latin, Pan European and Asian Languages for LCD Menu
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<b>Operation Videos</b>	Multiple Instructional Videos On-board, Space for Customized Videos
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<b>Emulation</b>	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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<b>Remote Maintenance</b>	SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect
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## OPTIONS

<b>Options</b>	Guillotine Cutter, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, HS-200 Power Stacker, RFID (coming soon), Rotary Cutter (coming soon)
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## BARCODE SYBLOGIES

<b>Barcodes</b>	
<b>Linear</b>	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
<b>2D Symbolologies</b>	PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symbolologies, Aztec

## OPERATING CHARACTERISTICS

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

## PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	18.00" L x 10.67" W x 12.64" H (271mm x 457mm x 321mm)
<b>Weight</b>	33.28 lbs (15.1kg)
<b>Construction</b>	Die-cast Aluminum (Base, Frame, Front Cover, Ribbon Spindle, Print Head Mechanism)

<b>Side-cover</b>	Space saving design with large media supply window and bi-fold door for easy access in confined locations
<b>Secure Mounting</b>	3 Keyhole Slots on Chassis for Flat or Incline Setting

## MISCELLANEOUS

<b>Functions - Useful Features</b>	Micro Label Printing, Standalone Printing with SATO Application Enabled Printing (AEP), SATO Online Services (SOS), Multiple Interfaces-Auto-Switching, Status Return
<b>Rotation</b>	Auto-label Rotation: 0°, 90°, 180°, 270°

## SATO AMERICA CORPORATE

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## LABEL MANUFACTURING, SERVICE & SALES

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CANADA CARIBBEAN

[www.satoamerica.com/CLNX](http://www.satoamerica.com/CLNX)