



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

## INTELLIGENCE

<sup>1</sup> 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](http://www.satoamerica.com/CLNX)

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

**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.

## 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)

## RFID SPECIFICATIONS

**Options**  
UHF: Gen 2 ISO/IEC 18000-6C  
HF: ISO/IEC 15693 & ISO/IEC 4443

## 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 802.11ac, 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

**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

**Remote Maintenance**  
SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect

## OPTIONS

Guillotine Cutter, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, UHF RFID, HF RFID

## BARCODE SYMBOLOGIES

**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 Symlogies**  
PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symlogies, 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

**Secure Mounting**  
3 Keyhole Slots on Chassis for Flat or Incline Setting

## 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

**Rotation**  
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)