



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		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

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)

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

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, HS-200 Power Stack, RFID (coming soon), Rotary Cutter (coming soon)

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 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
10.67" L x 18.00" 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

10350-A Nations Ford Rd
Charlotte, NC 28273
Phone: (704) 644-1650
sales-sallc@sato-global.com

LABEL MANUFACTURING, SERVICE & SALES

UNITED STATES MEXICO CENTRAL AMERICA
CANADA CARIBBEAN

www.satoamerica.com/CLNX