



## 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)



<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>		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)
		<b>Tear Off / Cutter</b>	0.79" - 98.43" (20 - 2500mm)	0.79" - 59.06" (20 - 1500mm)
		<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	CONNECTIVITY	BARCODE SYMBOLOGIES
<b>Method</b> Direct Thermal or Thermal Transfer	<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>Barcodes</b> <b>Linear</b> 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
<b>Media Specifications</b> <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>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)	<b>2D Symlogies</b> PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symlogies, Aztec
<b>Media Type</b> Roll (Continuous, Die-cut, Linerless), Fan-fold, Tag, Ticket	<b>MEMORY &amp; PROCESSING</b> <b>Dual CPU</b> CPU1: 2GB Flash, 256MB RAM CPU2: 4MB Flash, 64 MB RAM	<b>OPERATING CHARACTERISTICS</b> <b>Electrical Requirements</b> Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz
<b>Media</b> <b>Thickness (Label &amp; Liner)</b> 0.0024" - 0.011" (0.060 - 0.268mm)	<b>User Downloadable Fonts, Videos, Graphics or Format</b> Maximum 100MB	<b>Standards &amp; Agency Approvals</b> Please contact SATO regarding agency approvals in your area.
<b>Roll Diameter</b> Up to 10" OD (254mm) on 3" (76.0mm) ID Core	<b>USER FRIENDLY SUPPORT TOOLS</b> <b>Large Status LED</b> Blue / Red	<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>Wind</b> Face-in / Face-out. No Setting Change Required	<b>Audible Alerts</b> Adjustable Volume Setting	<b>Storage</b> -4 to 140°F (-20 to 60°C), 30 - 90% RH, (without condensation)
<b>Ribbon</b> <b>Length</b> 1,968.5' (600m) on 1" (25.4mm) ID Core	<b>Self Diagnosis</b> Head Check, Cutter-Cover Open, Stand-by Mode, Auto-Calibration	<b>PHYSICAL CHARACTERISTICS</b> <b>Dimensions</b> 10.67" L x 18.00" W x 12.64" H (271mm x 457mm x 321mm)
<b>Width</b> 1.55" - 5.04" (39.5 - 128mm)	<b>Display Panel</b> 3.5" Full Color LCD	<b>Weight</b> 33.28 lbs (15.1kg)
<b>Roll Diameter</b> Maximum 3.54" (90.0mm)	<b>Tool-Free Maintenance</b> Print Head Replacement and Adjustment, Visual Wear Indicator for Platen Roller (Pure Line)	<b>Construction</b> Die-cast Aluminum (Base, Frame, Front Cover, Ribbon Spindle, Print Head Mechanism)
<b>Wind</b> Face-in/Face-out, No Setting Change Required	<b>Multi-national Language Support</b> 47 Printable Languages with Scalable Fonts 31 Major Latin, Pan European and Asian Languages for LCD Menu	<b>Side-cover</b> Space saving design with large media supply window and bi-fold door for easy access in confined locations
<b>SATO Genuine Consumables</b> For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables.	<b>Operation Videos</b> Multiple Instructional Videos On-board, Space for Customized Videos	<b>Secure Mounting</b> 3 Keyhole Slots on Chassis for Flat or Incline Setting
<b>FONT SPECIFICATIONS</b> <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)	<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	<b>MISCELLANEOUS</b> <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>Remote Maintenance</b> SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect	<b>Rotation</b> Auto-label Rotation: 0°, 90°, 180°, 270°
	<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)	

