



# Industrial Thermal Printer



# CL6NX Plus

Fast • Precise • Intelligent



## PERFORMANCE

- High accuracy print placement
- Fast print speeds up to 10 ips
- 600 meter ribbon for 30% more capacity
- Seamless UHF RFID encoding

## SIMPLE & DURABLE

- Metal casing and large bi-fold opening for easy access
- Aluminum cast frame and print head mechanism
- Pure Line platen roller with 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/CL6NX](http://www.satoamerica.com/CL6NX)

# GENERAL SPECIFICATIONS / CL6NX Plus

PRODUCT SPECIFICATIONS				
<b>Print Resolution</b>		203 dpi (8 dots/mm)	305 dpi (12 dots/mm)	
<b>Print Speed</b>		10 ips (254mm/sec)	8 ips (203mm/sec)	
<b>Print Area</b>	<b>Max Width</b>	6.59" (168mm)		
	<b>Max Length</b>	98.43" (2500mm)	59.06" (1500mm)	
<b>Media Size (with liner)</b>	<b>Width</b>	1.96" - 7.00" (50mm -180 mm)		
	<b>Length</b>	<b>Continuous / Tear Off / Cutter / Dispenser</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)		

## PRINTING SPECIFICATIONS

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

## 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 8.6" OD (220mm) on 3" (76.0mm) ID Core
<b>Wind</b>	Face-in / Face-out. No Setting Change Required

## 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 802.11ac, 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
<b>Operation Videos</b>	Multiple Instructional Videos On-board, Space for Customized Videos
<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>Remote Maintenance</b>	SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect

## BARCODE SYMBOLOGIES

<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 Symbologies</b>	PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symbologies, 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>	17.99" L x 13.31" W x 12.64" H (457mm x 338mm x 321mm)
<b>Weight</b>	44.75 lbs (20.3 kg)
<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

## 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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## RFID SPECIFICATIONS

<b>Options</b>	UHF: Gen 2 ISO/IEC 18000-6C
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## 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°

## OPTIONS

	Guillotine Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, UHF RFID
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## LABEL MANUFACTURING, SERVICE & SALES

UNITED STATES MEXICO CENTRAL AMERICA  
CANADA CARIBBEAN

[www.satoamerica.com/CL6NX](http://www.satoamerica.com/CL6NX)