



# 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)



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# 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

### Method

Direct Thermal or Thermal Transfer

### Mode

Continuous, Tear-off, Cutter, Dispenser

## 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 8.6" OD (220mm) 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

2.32" - 6.97" (59 - 177mm)

#### 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

## 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, 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®, SJPL® 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, Dispenser with Internal Liner Rewinder, Real-Time Clock, Barcode Validator, RWG500 External Rewinder, UHF RFID, Wireless LAN

## 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

17.99" L x 13.31" W x 12.64" H (457mm x 338mm x 321mm)

### Weight

44.75 lbs (20.3 kg)

### 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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