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

# GENERAL SPECIFICATIONS / CL6NX Plus

## PRODUCT SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| **Print Resolution** | | | 203 dpi (8 dots/mm) | 305 dpi (12 dots/mm) |
| **Print Speed** | | | 10 ips (254mm/sec) | 8 ips (203mm/sec) |
| **Print Area** | **Max Width** | | 6.59" (168mm) | |
| | **Max Length** | | 98.43" (2500mm) | 59.06" (1500mm) |
| **Media Size (with liner)** | **Width** | **Continuous / Tear Off / Cutter / Dispenser** | 1.96" - 7.00" (50mm -180 mm) | |
| | **Length** | **Continuous** | 0.35" - 98.43" (9 - 2500mm) | 0.35" - 59.06" (9 - 1500mm) |
| | | **Tear Off / Cutter** | 0.79" - 98.43" (20 - 2500mm) | 0.79" - 59.06" (20 - 1500mm) |
| | | **Dispenser** | 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®, 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, 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-DatabarTM, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN 8/13, Matrix 2/5, MSI, Bookland, PostnetTM, UPC-A/E

**2D Symbologies**

PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symbologies, 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°


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