



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, Bluetooth® Ver. 3.0, 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

OPERATIONS	
Options	Guillotine Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, UHF RFID

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 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°

SATO AMERICA CORPORATE	
14125 South Bridge Circle Charlotte, NC 28273 Phone: (704) 644-1650 sales-sal@sato-global.com	

LABEL MANUFACTURING, SERVICE & SALES	
UNITED STATES MEXICO CENTRAL AMERICA CANADA CARIBBEAN	