



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 encoding¹

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

¹ Coming soon



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)
		Continuous	0.35" - 98.43" (9 - 2500mm)
	Length	Tear Off / Cutter	0.79" - 98.43" (20 - 2500mm)
		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
Ribbon 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)
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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 802.11 a/b/g/n, 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
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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
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Remote Maintenance	SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect
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OPTIONS

Options	Guillotine Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, HS-200 Power Stacker, RFID (coming soon)
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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)
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Side-cover	Space saving design with large media supply window and bi-fold door for easy access in confined locations
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Secure Mounting	3 Keyhole Slots on Chassis for Flat or Incline Setting
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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
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Rotation	Auto-label Rotation: 0°, 90°, 180°, 270°
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