Industrial Thermal Printer

CL4NX Plus

Fast • Precise • Intelligent

PERFORMANCE

- High accuracy print placement
- Best-in-class print speeds up to 14 ips
- 30% more ribbon & 80%[1] more label media capacity
- Seamless RFID encoding

[1] May vary depending on the media type

SIMPLE & DURABLE

- Metal casing and large bi-fold opening for easy access
- Aluminum cast frame and print head mechanism
- Platen roller 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/CLNX

GENERAL SPECIFICATIONS / CL4NX Plus

PRODUCT SPECIFICATIONS

Print Resolution			203 dpi (8 dots/mm)	305 dpi (12 dots/mm)	609 dpi (24 dots/mm)
Print Speed			14 ips (355mm/sec)	14 ips (355mm/sec)	6 ips (152mm/sec)
Print Area	**Max Width**		4.09" (104mm)		
	Max Length		98.42" (2500mm)	59.05" (1500mm)	15.75" (400mm)
Media Size (with liner)	**Width**	**Continuous / Tear Off / Cutter / Dispenser**	0.98" - 5.16" (25 - 131mm)		
		Linerless	2.36" - 4.65" (60 - 118mm)		
	Length	**Continuous**	0.35" - 98.43" (9 - 2500mm)	0.35" - 59.06" (9 - 1500mm)	0.35" - 15.74" (9 - 400mm)
		Tear Off / Cutter	0.79" - 98.43" (20 - 2500mm)	0.79" - 59.06" (20 - 1500mm)	0.79" - 15.74" (20 - 400mm)
		Dispenser	Thermal Transfer: 0.51" - 15.74" (13mm - 400mm), Direct Thermal: 1.18" - 15.74" (30 - 400mm)		
		Linerless	1.18" - 4.72" (30 - 120mm)		

PRINTING SPECIFICATIONS

Method

Direct Thermal or Thermal Transfer

Mode

Continuous, Tear-off, Cutter, Dispenser, Linerless

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 10" OD (254mm) 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

1.55" - 5.04" (39.5 - 128mm)

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
HF: ISO/IEC 15693 & ISO/IEC 4443

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, PDF Direct 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, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Barcode Validator, RWG500 External Rewinder, UHF RFID, HF 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

18.00" L x 10.67" W x 12.64" H (271mm x 457mm x 321mm)

Weight

33.28 lbs (15.1kg)

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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