SATO

Industrial Thermal Printers

CL4NX

CL6NX

CLNX™ SERIES

Problem Solver

SATO's first truly UNIVERSAL Industrial Label Printer engineered for the most demanding printing applications

Simple-to-Operate

- Full Color Interactive LCD
- Videos that Offer Information on the Printer Operation
- Intuitive Menu Navigation
- Tool Free Maintenance
- NFC Configurable

Plug-and-Play

- LTDS (Label Tension Damper System)
- Flexible Media Support - Use Wound In or Wound Out Media
- Multiple Interfaces Auto Switching

All-in-One

- Application Enabled Printing (AEP)
- Competitive Emulations On-board
- Multi-national Language Support
- Supports HF/NFC or UHF RFID

WiFi CERTIFIED®

(855) 848-4332
orders@vividdatallc.com.or support@vividdatallc.com.
www.vividdatagroup.com

VDG
VIVID DATA GROUP

GENERAL SPECIFICATIONS / CLNX™ Series

PRINTER MODEL		CL4NX - 4" Model			CL6NX - 6" Model	
Print Resolution		203 dpi (8 dots/mm)	305 dpi (12 dots/mm)	609 dpi (24 dots/mm)	203 dpi (8 dots/mm)	305 dpi (12 dots/mm)
Print Speed		10 ips (254 mm/s)	8 ips (203 mm/s)	6 ips (152 mm/s)	10 ips (254 mm/s)	8 ips (203 mm/s)
Print Area	**Max Width**	4.1" (104.0 mm)			6.5" (167.5 mm)	
	Max Length	98.43" (2500 mm)	59.06" (1500 mm)	15.75" (400 mm)	98.43" (2500 mm)	59.06" (1500 mm)
Media Width		0.98" (25 mm) ~ 5.15" (131 mm)			1.96" (50 mm) ~7.00" (180 mm)	
Ribbon Width		1.55" (39.5 mm) ~ 5.04" (128 mm)			2.322 (59 mm) ~ 6.96" (177 mm)	
Dimensions		D: 17.99" (457 mm) W: 10.66" (271 mm) H: 12.63" (321 mm)			D: 17.99" (457 mm) W: 13.30" (338 mm) H: 12.63" (321 mm)	
Weight		33 lbs. (15 kgs)			42 lbs. (20 kgs)	

PRINT SPECIFICATIONS

Method

Direct Thermal or Thermal Transfer

Mode

Continuous, Tear-off, Cutter, Dispense, Linerless

MEDIA SPECIFICATIONS

Sensor Type

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

Minimum Length (With Liner)

Continuous	Tear-off/Cutter	Dispenser
0.35" (9 mm)	0.79" (20 mm)	1.18" (30 mm)

Thickness (Label & Liner)

0.002" (0.060 mm) - 0.011" (0.268 mm)

Roll Diameter

Up to 8.6" OD (220 mm) on 3" (76.0 mm) ID Core
Optional 10" OD (254.0 mm)

Wind

Face-in/Face-out, No Setting Change Required

Ribbon

Length

1,968.5 ft (600 m) on 1" (25.4 mm) ID Core

Roll Diameter

Maximum 3.54" (90.0 mm)

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.

COMMUNICATION INTERFACES SPECIFICATIONS

Standard

USB 2.0 (Type A, Type B), Ethernet (IPv4/IPv6) on Rear Panel, USB 2.0 (Type A) on Front Panel, RS-232C, IEEE1284, EXT on Standard Interface Board, Bluetooth® Ver. 3.0, NFC

Optional Wireless LAN Kit (Internal)

Wi-Fi®, Wi-Fi Direct® and CCX (Cisco®) Version 4 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 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, Platen Replacement

Multi-national Language Support

47 Printable Languages with Scalable Fonts
31 Languages for LCD Menu

Operation Video

Multiple Instructional Videos On-board (e.g. Error Resolution, Media Loading, Parts Replacement and Cleaning)

Emulation

Auto Detect - SBPL®, SEPL®, SZPL®, SDPL®, SIPL® or STCL® (Pre-installed), XML, AEP*
*Contact your SATO Sales Manager for more information/requirements

Remote Maintenance

SNMP Ver. 3, HTTPS (Web Interface)

OPTIONS

Cutter, Powered Stacker, Linerless Cutter Kit, Dispenser with Internal Liner Rewinder, Real-time Clock, UHF RFID (ISO18000-6 Type C), HF/NFC RFID (ISO/IEC 15693 or ISO/IEC 14443 Type A), WLAN Kit, Barcode Validator, External Rewinder (RWG-500) - Full 8" OD Roll Take Up
Note: Linerless and RFID available in CL4NX Model only. Dispenser only option available in CL6NX Model.

FONT SPECIFICATIONS

Internal Fonts

10 Bitmap SATO Fonts, 15 Scalable SATO Fonts, Multi-National Language Support (47 Languages/Unicode), Single and Double Byte Fonts (Korean, Chinese, Japanese)

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, MS1, Bookland, Postnet™, UPC-A/E

2D Symbologies

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

User Downloadable Fonts, Graphics or Format

Maximum 100MB

OPERATING & ENVIRONMENT CHARACTERISTICS

Electrical Requirements

Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz
Energy Star Compliant

Standards & Agency Approvals

IEC 60950, CE Marking, EN 60950-1, EN 55022 Class A, EN 55024, R&TTE, NEMKO-GS, cMETus, UL60950-1/CSA C22.2 No. 60950-1, FCC 15 (SUB B, C), ICES-003, NMB-003, BIS, C-Tick, RCM, CCC, SRRC, KC, S-Mark (Arg), SIRIM, IDA, PTQC, NBTC, ANATEL

Environment

Operating

32 to 104°F (0 to 40°C), 30-80% RH, Non-condensing; Linerless: 40 to 95°F (5 to 35°C) 30 - 75% RH, Non-condensing

Storage

-4 to 140°F (-20 to 60°C), 30 - 90% RH, Non-condensing

PHYSICAL CHARACTERISTICS

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

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