



CL4NX

SATO, Beyond Expectations

SATO's First Truly UNIVERSAL Industrial Label Printer
Engineered for the Most Demanding Printing Needs

Simple-to-Operate



- Full Color Interactive LCD Display
- Intuitive Menu Navigation
- Tens of Videos Offer Valuable Information on the Operation
- Tool-less Maintenance

Plug-and-Play



- LTDS (Label Tension Damper System)
- Flexible Media Support, Media Wound In or Wound Out
- High Energy Mode – Ability to Print on a Wide Variety of Stock Types

All-in-One



- Multiple Interfaces – Auto Switching
- Competitive Emulations On-board
- Multi-National Language Support

GENERAL SPECIFICATIONS / CL4NX

PRINTER MODEL

CL4NX

PRINT SPECIFICATIONS

Print Method

Direct Thermal or Thermal Transfer

Print Resolution

203 dpi (8 dots/mm) 305 dpi (12 dots/mm) 609 dpi (24 dots/mm)

Print Speed

10 ips (254.0 mm/sec) 8 ips (203.2 mm/sec) 6 ips (152.4 mm/sec)

Print Mode

Continuous, Tear-off, Cutter, Dispense

Print Area

Maximum Width

4.1" (104.0 mm)

Maximum Length (Continuous mode)

98.43" (2500.0 mm) 59.06" (1500.0 mm) 15.75" (400.0 mm)

MEDIA SPECIFICATIONS

Sensor Type

Adjustable Transmissive Sensor for Gap, Adjustable Reflective Sensor for Black Mark, Paper End, Ribbon Near-End/End

Media Type

Roll (Continuous, Die-cut), Fan-fold, Tag, Ticket

Media

Width

0.87" (22.0 mm) - 5.04" (128.0 mm)

Thickness (label & liner)

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

Roll Diameter

Maximum 8" (203.2 mm) on 3" (76.0 mm) ID Core

Wind

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

Ribbon

Width

1.55" (39.5 mm) - 5.04" (128.0 mm)

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

MEMORY & PROCESSING SPECIFICATIONS

Dual CPU & Dual OS

CPU1: 2GB ROM, 256MB RAM for Linux OS
CPU2: 4MB ROM, 64 MB RAM for ITRON OS

USER FRIENDLY SUPPORT TOOLS

Large Status LED

Blue/Red

Alarm Sound

Beep (3 volume setting)

Self Diagnosis

Head Check, Cutter-Cover Open, Stand-by mode, Auto-Calibration

Display Panel

TFT Full Color LCD, 3.5" (320 (RGB) *240)

Multi National Language Support

47 Languages Scalable Fonts for Print
30 Languages for LCD Menu

Operation Video

Preset: 18 (Media Loading, Parts Replacement, Cleaning, RFID Antenna Setting)
Optional: customized video (maximum 100MB)

Emulation

Auto detect - SBPL, SZPL, SDPL, SIPL or STCL

Remote Maintenance

SNMP Ver. 3, HTTPs

COMMUNICATION INTERFACES SPECIFICATIONS

Standard

USB 2.0 (Type A, Type B), Ethernet (IPv4/v6) on Rear Panel
USB 2.0 (Type A) on Front Panel
RS-232C, IEEE1284, EXT on Standard Interface Board
Bluetooth Ver.3.0*

Optional Wireless LAN kit*

Wi-Fi and CCX Certified, IEEE 802.11 a/b/g/n, Dual Band (2.4 GHz, 5 GHz)

OPTIONS

Cutter, Dispenser with Internal Liner
Re-winder, Real-Time Clock, UHF RFID
(ISO18000-6 Type C)*, W-LAN kit *

FONT SPECIFICATIONS

Internal Fonts

Bitmap

U, S, M, WB, WL, XS, XU, XM, XB, XL, OCR-A, OCR-B, Chinese (GB18030, Big5), Korean (KSX1001)

Scalable

CG Times, CG Triumvirate™, 13 SATO Fonts, Multi National language Support (47 language/Unicode)

BARCODE SYBLOGIES SPECIFICATIONS

Barcodes

Linear

Code 39, Code 93, Code 128, CODABAR (NW7), EAN8/13, GS1-Databar™, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN8/13, Matrix 2/5, MSI, Bookland, Postnet™, UPC-A/E

2D Symbolologies

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

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 & Certification

EN60950-1, UL60950-1/CSA C22.2 No.60950-1, C-Tick, CCC, KC, S-Mark

Agency Approvals

cMETus, CE marking, FCC, NEMKO GS, ICES-003, NMB-003, KC, CCC, S-mark,

Environment

Operating

32 to 104°F (0 to 40°C), 30 - 80% RH, Non-Condensing

Storage

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

PHYSICAL CHARACTERISTICS

Dimensions

Width: 10.67" (271.0 mm)
Depth: 17.99" (457.0 mm)
Height: 12.63" (321.0 mm)

Construction

Die-cast Aluminum (Base, Frame, Front Cover, Ribbon Spindle, Print Head Mechanism)

Side-cover

Bi-fold for Space Saving with Large Clear Window

Mounting Chassis

3 Fixtures for Flat or Incline Setting

Weight

33.0 lbs. (15.1kg)

* Please contact your local SATO office for availability.

For more information about SATO in the region, visit www.satoasiapacific.com

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