SATO

CL4NX

CL6NX

NX Series

Beyond Expectations

NEXT GENERATION 4" & 6" INDUSTRIAL THERMAL PRINTERS

The NX Series represents SATO's next generation of thermal printers with advanced support for barcode symbologies, character sets and RFID encoding (CL4NX only).

As a product of SATO's global R&D network, the NX Series incorporates value-added features in a world-class design to deliver a printing solution that goes beyond expectations.

Simple-to-Operate   Plug-and-Play   All-in-One

The NX Series is developed for a wide range of applications and features:

☐ **Dynamic Integration**
- Complete communications interface
- Robust printing command emulations

☐ **Intuitive Operation**
- Color LCD with enhanced GUI
- Ergonomic media system for easy setup

☐ **Accurate and Efficient Performance**
- High speed data processing at 10 ips
- Head check function for print accuracy

☐ **Functional Form**
- Cover design conserves work space
- Tool-less print head and platen roller

☐ **Sustainable Innovation**
- Energy Star certified product
- Coreless ribbon system reduces waste

☐ **Industrial Durability**
- Metal casing protects against damage
- Die-cast frame and parts for superior strength

ENVIRONMENTAL ASSURANCE

✓ Hazardous Substance Free
Standard

RoHS COMPLIANT

✓ Energy Efficient
Standard

energy

✓ Reduced Carbon Footprint
Optional

Linerless

Product Specifications / NX Series

Printer Model	CL4NX	CL6NX
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 / Max Length	4.1" (104.0 mm) / 98.43" (2500 mm), 59.06" (1500 mm), 15.75" (400 mm)	6.5" (167.5 mm) / 98.43" (2500 mm), 59.06" (1500 mm)
Media Width	0.98" (25 mm) ~ 5.15" (131 mm)	1.96" (50 mm) ~ 7" (180 mm)
Ribbon Width	1.55" (39.5 mm) ~ 5.03" (128 mm)	2.322" (59 mm) ~ 6.96" (177 mm)
Options	Cutter, Dispenser, Dispenser with Rewinder, Linerless Cutter RTC, WLAN, UHF RFID, HF RFID	Cutter, Dispenser, Dispenser with Rewinder RTC, WLAN
Dimensions	D:17.99" (457 mm) W: 10.66" (271 mm) H: 12.63" (321mm)	D:17.99" (457mm) W:13.30" (338mm) H:12.63" (321 mm)
Weight	33 lbs. (15 kgs)	42 lbs. (20 kgs)

PRINTING

Print Method

Direct Thermal or Thermal Transfer

Print Mode

Continuous, Tear-off, Cutter, Dispenser, Linerless*

MEDIA

Sensor Type

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

Media Type

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

Media

Thickness (Label & Liner)

.002" (0.060 mm) ~ .010" (0.268 mm)

Roll Diameter

8.6" (220 mm) on 3" (76 mm) ID Core

Wind

Face-in/ Face-out, No setting change required.

Ribbon

Length

1968.5 ft (600 m) on 1" (25.4 mm) ID Core

Roll Diameter

Maximum 3.54" (90 mm)

Wind

Face-in/ Face-out, No setting change required.

PROCESSOR

CPU & OS

CPU 1: 2 GB ROM, 256 MB RAM for Linux OS
CPU 2: 4 MB ROM, 64 MB RAM for ITRON OS

COMMUNICATIONS

Standard

USB 2.0 (Type A & B), Ethernet (IPv4/v6), RS232C, IEEE1284, EXT, Bluetooth Ver. 3.0*

Optional Wireless LAN Kit

IEEE802.11 a/b/g/n, Dual Band (2.4GHz/ 5GHz)

* Not applicable to all models

USER INTERFACE

Large Status LED

Blue/ Red

Audible Alert

Adjustable volume settings

Self Diagnosis

Head Check, Cutter Cover Open, Standby-mode, Auto-calibration, Emulation Auto-Detect

Display Panel

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

Display Language

Over 30 selectable languages

Operation Video

18 preset videos including media loading, parts replacement, cleaning and more.
Optional 100 MB space available for customized video.

Emulation

SBPL, SZPL, SDPL, SIPL, STCL, XML

CHARACTERS & FONTS

Character Sets

47 Languages and Scalable Print Fonts

Resident Fonts

Bitmap

U, S, M, WB, WL, XS, XU, XM, XB, XL, OCR-A, OCR-B, Chinese (GB18030, Big 5), Korean (KSX1001)

Scalable

15 SATO Fonts

User Downloadable

Additional support for character sets and fonts with Unicode.

GLOBAL WARRANTY

Printer: 1 year including installed options
Print Head: 1,181,000" (30 km)
Extended warranty options available

BARCODE SYMBOLOGIES

1D

Code 39, Code 93, Code 128, CODABAR (NW7), EAN 8/13, GS-1 Databar, GS-1 128 (UCC/ EAN 128), Interleaved 2/5, Industrial 2/5, JAN 8/13, Matrix 2/5, MSI, Bookland, Postnet, UPC-A/E

2D

PDF 417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code, and Composite Symbologies

User Downloadable Fonts, Graphics & Formats

Maximum 100 MB

OPERATING CHARACTERISTICS

Electrical

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

Environment

Standard Operating Temperature

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

Linerless Operating Temperature

40 ~ 95 °F (5 ~ 35 °C)
30 ~ 75% RH Non-condensing

Storage Temperature

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

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

PHYSICAL CHARACTERISTICS

Construction

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

Side Cover

Space reduction cover design with large media window.

Mounting

3 fixture points for flat or incline setting.

IDEAL INDUSTRIAL SEGMENTS

Manufacturing — Pharmaceutical — Transportation — Healthcare — Warehousing — Utilities — Government — Food Safety — Agriculture

ENERGY STAR — RoHS COMPLIANT — ISO QUALITY 9001/2008 CERTIFICATION — Bluetooth — WiFi — CISCO Compatible — SAP

www.satothailand.co.th