

# 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% more label media capacity
- Seamless RFID encoding\*

## 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)



\* coming soon

# GENERAL SPECIFICATIONS / CL4NX Plus

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

| PRINTING SPECIFICATIONS  | CONNECTIVITY  | BARCODE SYMBOLOGIES   |
|--|---|---|
| <b>Method</b><br>Direct Thermal or Thermal Transfer  | <b>Standard</b><br>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. 4.1, NFC | <b>Barcodes</b><br><b>Linear</b><br>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                 |
| <b>Media Type</b><br>Roll (Continuous, Die-cut, Linerless), Fan-fold, Tag, Ticket  | <b>Optional Wireless LAN Kit (Internal)</b><br>Wi-Fi® and Wi-Fi Direct® Certified, IEEE 802.11 a/b/g/n, Dual Band (2.4 GHz, 5 GHz)  | <b>2D Symlogies</b><br>PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symlogies, Aztec   |
| <b>Media</b><br><b>Thickness (Label &amp; Liner)</b><br>0.0024" - 0.011" (0.060 - 0.268mm)   | <b>MEMORY &amp; PROCESSING</b><br><b>Dual CPU</b><br>CPU1: 2GB Flash, 256MB RAM<br>CPU2: 4MB Flash, 64 MB RAM   | <b>OPERATING CHARACTERISTICS</b><br><b>Electrical Requirements</b><br>Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz, Energy Star Compliant   |
| <b>Media</b><br><b>Roll Diameter</b><br>Up to 10" OD (254mm) on 3" (76.0mm) ID Core  | <b>User Downloadable Fonts, Videos, Graphics or Format</b><br>Maximum 100MB   | <b>Standards &amp; Agency Approvals</b><br>Please contact SATO regarding agency approvals in your area.   |
| <b>Media</b><br><b>Wind</b><br>Face-in / Face-out. No Setting Change Required  | <b>USER FRIENDLY SUPPORT TOOLS</b><br><b>Large Status LED</b><br>Blue / Red   | <b>Environment</b><br><b>Operating</b><br>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)   |
| <b>Ribbon</b><br><b>Length</b><br>1,968.5' (600m) on 1" (25.4mm) ID Core   | <b>Audible Alerts</b><br>Adjustable Volume Setting  | <b>Storage</b><br>-4 to 140°F (-20 to 60°C), 30 - 90% RH, (without condensation)  |
| <b>Ribbon</b><br><b>Width</b><br>1.55" - 5.04" (39.5 - 128mm)  | <b>Self Diagnosis</b><br>Head Check, Cutter-Cover Open, Stand-by Mode, Auto-Calibration   | <b>PHYSICAL CHARACTERISTICS</b><br><b>Dimensions</b><br>10.67" L x 18.00" W x 12.64" H (271mm x 457mm x 321mm)  |
| <b>Ribbon</b><br><b>Roll Diameter</b><br>Maximum 3.54" (90.0mm)  | <b>Display Panel</b><br>3.5" Full Color LCD   | <b>Weight</b><br>33.28 lbs (15.1kg)   |
| <b>Ribbon</b><br><b>Wind</b><br>Face-in/Face-out, No Setting Change Required   | <b>Tool-Free Maintenance</b><br>Print Head Replacement and Adjustment, Visual Wear Indicator for Platen Roller (Pure Line)  | <b>Construction</b><br>Die-cast Aluminum (Base, Frame, Front Cover, Ribbon Spindle, Print Head Mechanism)   |
| <b>SATO Genuine Consumables</b><br>For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables.   | <b>Multi-national Language Support</b><br>47 Printable Languages with Scalable Fonts<br>31 Major Latin, Pan European and Asian Languages for LCD Menu                                 | <b>Side-cover</b><br>Space saving design with large media supply window and bi-fold door for easy access in confined locations  |
| <b>FONT SPECIFICATIONS</b><br><b>Internal Fonts</b><br>10 Bitmap SATO Fonts, 15 Scalable SATO Fonts, Multi-National Language Support (47 Languages/Unicode), Single and Double Byte Fonts (Korean, Chinese, Japanese)                            | <b>Operation Videos</b><br>Multiple Instructional Videos On-board, Space for Customized Videos  | <b>Secure Mounting</b><br>3 Keyhole Slots on Chassis for Flat or Incline Setting  |
| <b>Font Specifications</b><br><b>Emulation</b><br>Auto Detect - SBPL®, SEPL®, SZPL®, SDPL®, SIPL® or STCL® (Pre-installed), XML, Direct PDF Printing, AEP*<br>*Contact your SATO Sales Representative for more information/requirements          | <b>Remote Maintenance</b><br>SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect  | <b>MISCELLANEOUS</b><br><b>Functions - Useful Features</b><br>Micro Label Printing, Standalone Printing with SATO Application Enabled Printing (AEP), SATO Online Services (SOS), Multiple Interfaces-Auto-Switching, Status Return |
| <b>Options</b><br>Guillotine Cutter, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Validator, RWG500 External Rewinder, HS-200 Power Stacker, RFID (coming soon), Rotary Cutter (coming soon) |   | <b>Rotation</b><br>Auto-label Rotation: 0°, 90°, 180°, 270°   |