

**SATO**  
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Expectations



**CL6NX Plus**

A pioneering 6"  
Thermal Industrial Printer

[satoeurope.com](http://satoeurope.com)

# CL6NX Plus Technical Specifications

| PRINTING SPECIFICATION                                                                     |                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
|--------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Printing Method                                                                            |                  | Direct Thermal / Thermal Transfer                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                   |  |
| Print Mode                                                                                 |                  | Standard: Continuous, Tear-off                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                   |  |
| Print Resolution                                                                           |                  | 8 dots/mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                      | 12 dots/mm (305 dpi)                                                                                                                                              |  |
| Max. Print Speed                                                                           |                  | 203 dpi: 2-10 ips, (Default 6 ips)                                                                                                                                                                                                                                                                                                                                       | 305 dpi: 2-8 ips, (Default 6 ips)                                                                                                                                 |  |
| Max. Print Area                                                                            | Width            | 167.5mm (6.5")                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                   |  |
|                                                                                            | Length           | 203 dpi: 2500mm (98.42")                                                                                                                                                                                                                                                                                                                                                 | 305 dpi: 1500mm (59.05")                                                                                                                                          |  |
| Processor                                                                                  |                  | Dual CPU & Dual OS: CPU1: 800MHz for Linux OS, CPU2: 800MHz for ITRON OS                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |
| Printer Memory                                                                             |                  | CPU1: 2GB ROM, 256MB RAM, CPU2: 4MB ROM, 64MB RAM                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                   |  |
| CONSUMABLE SPECIFICATION (Recommended to use consumables manufactured or supplied by SATO) |                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
| Sensor Type                                                                                |                  | I-mark Sensor (reflective), Label Gap Sensor (Transmissive)                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                   |  |
| Media Type                                                                                 |                  | Roll or fan-fold die cut labels, Plain paper face stock, Synthetics and Continuous stock                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |
| Media Thickness                                                                            |                  | to 268 (0.060 to 0.268 mm) (0.002" to 0.01")                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                   |  |
| Label Shape                                                                                | Roll Diameter    | Maximum 220mm (8.6") Core diameter: Ø76mm (3.0"), Ø101mm (4.0") Optional 254mm (10") setting                                                                                                                                                                                                                                                                             |                                                                                                                                                                   |  |
|                                                                                            | Wind Direction   | Face In / Face Out. No Setting Change Required                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                   |  |
| Label Size (Without Liner)                                                                 | Continuous       | 6 - 2497mm (9 - 2500mm including mount) (203dpi)<br>0.24" - 98.30" (0.35" - 98.42" including mount)                                                                                                                                                                                                                                                                      | 6 - 1497mm (9 - 1500mm including mount) (305dpi)<br>0.24" - 58.94" (0.35" - 59.05" including mount)                                                               |  |
|                                                                                            |                  | 47 - 177mm (50 - 180mm including mount)<br>1.85" - 6.97" (1.97" - 7.08" including mount)                                                                                                                                                                                                                                                                                 | 47 - 177mm (50 - 180mm including mount)<br>1.85" - 6.97" (1.97" - 7.97" including mount)                                                                          |  |
|                                                                                            | Tear-off/ Cutter | 17 - 2497mm (20 - 2500mm including mount) (203dpi)<br>0.67" - 98.30" (0.79" - 98.42" including mount)                                                                                                                                                                                                                                                                    | 17 - 1497mm (20 - 1500mm including mount) (305dpi)<br>0.67" - 58.94" (0.79" - 59.05" including mount)                                                             |  |
|                                                                                            |                  | 47 - 177mm (50 - 180mm including mount)<br>1.85" - 6.97" (1.97" - 7.08" including mount)                                                                                                                                                                                                                                                                                 | 10 - 397mm (13 - 400mm including mount) (305dpi)<br>0.39" - 15.63" (0.51" - 15.75" including mount)                                                               |  |
|                                                                                            | Dispenser        | 10 - 397mm (13 - 400mm including mount) (203dpi)<br>0.39" - 15.63" (0.51" - 15.75" including mount)                                                                                                                                                                                                                                                                      | 10 - 397mm (13 - 400mm including mount) (305dpi)<br>0.39" - 15.63" (0.51" - 15.75" including mount)                                                               |  |
|                                                                                            |                  | 47 - 177mm (50 - 180mm including mount)<br>1.85" - 6.97" (1.97" - 7.08" including mount)                                                                                                                                                                                                                                                                                 | 47 -177mm (50 -180mm including mount)<br>1.85" - 6.97" (1.97" - 7.08" including mount)                                                                            |  |
|                                                                                            | Ribbon           | Size                                                                                                                                                                                                                                                                                                                                                                     | Max. Length: 600m (1968.5"). 450m (1476.4") when ribbon width is 39.5mm (1.55")<br>Max. Roll Diameter: 90mm (3.5"), Ribbon width: 39.5mm (1.55") to 177mm (6.97") |  |
|                                                                                            |                  | Other                                                                                                                                                                                                                                                                                                                                                                    | Direction: Front / Back, Wind method: Tubeless                                                                                                                    |  |
| FONTS / SYMBOLOGIES                                                                        |                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
| Internal Fonts                                                                             | Standard Bitmap  | U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B                                                                                                                                                                                                                                                                                               |                                                                                                                                                                   |  |
|                                                                                            | Scalable Fonts   | 30 SATO TTF Fonts, 2 Outline Fonts                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |  |
|                                                                                            | Encoding         | Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (korean), BIG5 (traditional) JIS, SHIFT-JIS. Unicode: UTF-8 and UTF16BE also supported.                                                                                                                                                                                                    |                                                                                                                                                                   |  |
| Barcode                                                                                    | Linear           | UPC-A/UPC-E, JAN/EAN-13/8, CODE39, CODE93, CODE128, GS1-128(UCC/EAN128), CODABAR(NW-7), ITF, Industrial 2 of 5, Matrix 2 of 5, MSI, POSTNET, UPC add-on code, BOOKLAND, USPS code, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked |                                                                                                                                                                   |  |
|                                                                                            | 2D Symbologies   | QR Code, Micro QR Code, PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200), Aztec Code, GS1QR Code and Composite Symbologies.                                                                                                                                                                                                                           |                                                                                                                                                                   |  |
| Print Direction                                                                            |                  | Character data rotation: 0°, 90°, 180°, 270°                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                   |  |
| User Downloadable Fonts, Graphics or Formats                                               |                  | Maximum 100MB                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                   |  |
| INTERFACE CHARACTERISTICS AND INTEGRATION                                                  |                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
| Standard Interfaces                                                                        |                  | USB 2.0 (Type A & B), RS232C, IEEE1284, EXT, NFC, Ethernet (IPv4/v6) supporting:TCP/IP, LPR, FTP, SNMPv3, NTP, HTTP, DHCPv4, Stateless Auto Configuration, Stateful Auto Configuration (DHCPv6)                                                                                                                                                                          |                                                                                                                                                                   |  |
| Optional Interface                                                                         |                  | Wireless LAN, WiFi Certified, WiFi Direct, IEEE 802.11 a/b/g/n/ac Dual Band (2.4GHz, 5GHz), Security: WEP, WPA, WPA2, Dynamic WEP, DHCP Option 81. Bluetooth Ver. 3.0                                                                                                                                                                                                    |                                                                                                                                                                   |  |
| Remote Access                                                                              |                  | SNMP Ver.3, HTTPs                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                   |  |
| Supported printer protocols                                                                |                  | Standard: SBPL (SATO Barcode Printer Language)<br>Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL                                                                                                                                                                                                                                                         |                                                                                                                                                                   |  |
| OPERATING CHARACTERISTICS                                                                  |                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
| Power Requirements                                                                         |                  | AC100V ~ AC240V±10%, 50/60 Hz, Auto-ranging Power Supply                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |
| Environment                                                                                | Operating        | 0 - 40°C / 30 - 80% RH (without condensation                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                   |  |
|                                                                                            | Storage          | -20 - 60°C / 30 - 90% RH (without condensation)                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
| Dimensions                                                                                 |                  | Width 338mm × Depth 457mm × Height 321mm (not including projections)<br>(13.30" x 17.99" x 12.64")                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |  |
| Weight                                                                                     |                  | 20.3kg (44.75 lbs)                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |  |
| Display Panel                                                                              |                  | TFT Full Color LCD, 3.5"(320 x 240 RGB)                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                   |  |
| MISCELLANEOUS                                                                              |                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |
| Standards & Agency Approvals                                                               |                  | Please contact your nearest SATO sales representative regarding agency approvals for your region                                                                                                                                                                                                                                                                         |                                                                                                                                                                   |  |
| Functions – Useful features                                                                |                  | Micro Label Printing, SATO Application Enabled Printing, SATO Online Services, SOTI Connect, Direct PDF printing, 18 User Guidance Videos on LCD, Space for Customized Videos, Multi Language Support LCD Message (31 Languages), Energy Saving, Large Status LED, Multiple Interfaces-Auto-Switching, USB Memory for Data Clone & Copy, Status Return, Alarm Sound      |                                                                                                                                                                   |  |
| Functions – Self Diagnosis Checking                                                        |                  | Thermal head check, Paper end detection, Ribbon end detection, Test print, Head lift detection                                                                                                                                                                                                                                                                           |                                                                                                                                                                   |  |





**OFERTĂ RAPIDĂ**

# Ai găsit echipamentul potrivit?

Trimite-ne cerințele tale și primești o recomandare configurată pentru aplicația, volumul și bugetul companiei.

**OFERTA TA ÎN 3 PAȘI**

01

**Trimite-ne cerința**

Produs, SKU, cantitate sau descrierea aplicației.

02

**Verificăm configurația**

Compatibilitate, accesorii, stoc și termen de livrare.

03

**Primești rapid oferta**

Configurație clară, preț și suport pentru decizie.



**Scanează pentru cererea de ofertă**

[autoid.ro/contact](https://autoid.ro/contact)

**CERE OFERTĂ**

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**L-V 9:00 - 17:00**