



## Industrial Thermal Printer



# CL6NX Plus

Fast • Precise • Intelligent



### SIMPLE & DURABLE

- Metal casing and large bi-fold opening for easy access
- Aluminum cast frame and print head mechanism
- Pure Line platen roller with visual wear indicator
- Tool-free maintenance

### PERFORMANCE

- High accuracy print placement
- Fast print speeds up to 10 ips
- 600 meter ribbon for 30% more capacity
- Seamless UHF RFID encoding

### 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)

GENERAL SPECIFICATIONS / CL6NX Plus

| PRODUCT SPECIFICATIONS  |            |                                            |                                                 |                              |
|-------------------------|------------|--------------------------------------------|-------------------------------------------------|------------------------------|
| Print Resolution        |            | 203 dpi (8 dots/mm)                        |                                                 | 305 dpi (12 dots/mm)         |
| Print Speed             |            | 10 ips (254mm/sec)                         |                                                 | 8 ips (203mm/sec)            |
| Print Area              | Max Width  | 6.59" (168mm)                              |                                                 |                              |
|                         | Max Length | 59.06" (1500mm)                            |                                                 |                              |
| Media Size (with liner) | Width      | Continuous / Tear Off / Cutter / Dispenser | 1.96" - 7.00" (50mm -180 mm)                    |                              |
|                         |            | Continuous                                 | 0.35" - 98.43" (9 - 2500mm)                     | 0.35" - 59.06" (9 - 1500mm)  |
|                         | Length     | Tear Off / Cutter                          | 0.79" - 98.43" (20 - 2500mm)                    | 0.79" - 59.06" (20 - 1500mm) |
|                         |            | Dispenser                                  | Thermal Transfer: 0.51" - 15.74" (13mm - 400mm) |                              |

PRINTING SPECIFICATIONS

|                                    |
|------------------------------------|
| Method                             |
| Direct Thermal or Thermal Transfer |

|                                         |
|-----------------------------------------|
| Mode                                    |
| Continuous, Tear-off, Cutter, Dispenser |

MEDIA SPECIFICATIONS

|                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor Type                                                                                                                                     |
| Top Sensor, 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                              |
| Thickness (Label & Liner)          |
| 0.0024" - 0.011" (0.060 - 0.268mm) |

|                                              |
|----------------------------------------------|
| Roll Diameter                                |
| Up to 8.6" OD (220mm) on 3" (76.0mm) ID Core |

|                                                |
|------------------------------------------------|
| Wind                                           |
| Face-in / Face-out. No Setting Change Required |

|                                        |
|----------------------------------------|
| Ribbon                                 |
| Length                                 |
| 1,968.5' (600m) on 1" (25.4mm) ID Core |

|                            |
|----------------------------|
| Width                      |
| 2.32" - 6.97" (59 - 177mm) |

|                        |
|------------------------|
| Roll Diameter          |
| Maximum 3.54" (90.0mm) |

|                                              |
|----------------------------------------------|
| 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. |

FONT SPECIFICATIONS

|                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internal Fonts                                                                                                                                                 |
| 17 Bitmap SATO Fonts, 30 Scalable SATO Fonts, Multi-National Language Support (47 Languages/Unicode), Single and Double Byte Fonts (Korean, Chinese, Japanese) |

RFID SPECIFICATIONS

|                             |
|-----------------------------|
| Options                     |
| UHF: Gen 2 ISO/IEC 18000-6C |

CONNECTIVITY

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                                                                                                                                      |
| 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, NFC |

|                                                                               |
|-------------------------------------------------------------------------------|
| Optional Wireless LAN Kit (Internal)                                          |
| Wi-Fi® and Wi-Fi Direct® Certified, IEEE 802.11ac, Dual Band (2.4 GHz, 5 GHz) |

MEMORY & PROCESSING

|                            |
|----------------------------|
| Dual CPU                   |
| CPU1: 2GB Flash, 256MB RAM |
| CPU2: 4MB Flash, 64 MB RAM |

|                                                     |
|-----------------------------------------------------|
| User Downloadable Fonts, Videos, Graphics or Format |
| Maximum 100MB                                       |

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, Visual Wear Indicator for Platen Roller (Pure Line) |

|                                                               |
|---------------------------------------------------------------|
| Multi-national Language Support                               |
| 47 Printable Languages with Scalable Fonts                    |
| 31 Major Latin, Pan European and Asian Languages for LCD Menu |

|                                                                     |
|---------------------------------------------------------------------|
| Operation Videos                                                    |
| Multiple Instructional Videos On-board, Space for Customized Videos |

|                                                                                                           |
|-----------------------------------------------------------------------------------------------------------|
| Emulation                                                                                                 |
| Auto Detect - SBPL®, SEPL®, SZPL®, SDPL®, SIPL® or STCL® (pre-installed), XML, Direct PDF Printing*, AEP* |
| *Contact your SATO Sales Representative for more information/requirements                                 |

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| Remote Maintenance                                                                            |
| SNMP Ver. 3, Web Interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect |

OPTIONS

|                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Guillotine Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Barcode Validator, RWG500 External Rewinder, UHF RFID, Wireless LAN |
|-------------------------------------------------------------------------------------------------------------------------------------------------|

BARCODE SYBOLOGIES

|                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, MSI, Bookland, Postnet™, UPC-A/E |

|                                                                                                       |
|-------------------------------------------------------------------------------------------------------|
| 2D Sybologies                                                                                         |
| PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Sybologies, Aztec |

OPERATING CHARACTERISTICS

|                                                                  |
|------------------------------------------------------------------|
| Electrical Requirements                                          |
| Universal Auto-ranging Power Supply, 100-240VAC +/- 10%, 50/60Hz |

|                                                              |
|--------------------------------------------------------------|
| Standards & Agency Approvals                                 |
| Please contact SATO regarding agency approvals in your area. |

|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| Environment                                                                                                                       |
| Operating                                                                                                                         |
| 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) |

|                                                                |
|----------------------------------------------------------------|
| Storage                                                        |
| -4 to 140°F (-20 to 60°C), 30 - 90% RH, (without condensation) |

PHYSICAL CHARACTERISTICS

|                                                        |
|--------------------------------------------------------|
| Dimensions                                             |
| 17.99" L x 13.31" W x 12.64" H (457mm x 338mm x 321mm) |

|                     |
|---------------------|
| Weight              |
| 44.75 lbs (20.3 kg) |

|                                                                                    |
|------------------------------------------------------------------------------------|
| 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 |

MISCELLANEOUS

|                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functions - Useful Features                                                                                                                                           |
| Micro Label Printing, Standalone Printing with SATO Application Enabled Printing (AEP), SATO Online Services (SOS), Multiple Interfaces-Auto-Switching, Status Return |

|                                          |
|------------------------------------------|
| Rotation                                 |
| Auto-label Rotation: 0°, 90°, 180°, 270° |