



Keeping Your Business Moving and Connected STARTING WHERE YOU ARE



THERMAL PRINTING • RFID • SERVICE • HLS • CONSUMABLES



Global Network



 SATO Group Presence

We derive the best solution for each unique site

With offices located in 27 countries/regions across the globe, SATO is represented globally through a world-class network of partners in more than 90 countries.

Industrial Printers	2
Desktop Printers	7
Mobile Printers	11
Specialty Printers	14
RFID Printers	16
Print Engines	18
Laser Printers	20
Options and Accessories	22
Consumables	25
Software	26
Hand Labelling Devices	28

Industrial Printers

Trusted dependability for 24/7 mission critical operations, SATO's industrial barcode printers are the hallmark of printing solutions for harsh environments and applications.





CL4NX Plus Series

- Full color interactive LCD with Intuitive Menu Navigation
- On-board Help Videos
- **Tool-less** Maintenance
- 265 mm media supply and 600m ribbon supported
- RFID Ready (UHF & HF)
- **Smart** Print Head and Pure Line Platen Roller
- **Micro Label** Print Mode
- Device management with SATO Online Services (SOS) and SATO App Storage (SAS)

	203 DPI	305 DPI	609 DPI
PRINT METHOD	Direct/Thermal Transfer		
PRINTING SPEED	Up to 355 mm/sec	Up to 355 mm/sec	Up to 152 mm/sec
MAX PRINT WIDTH	104 mm		
MAX PRINT LENGTH	2500 mm	1500 mm	400 mm
DIMENSIONS	271 mm (W) x 457 mm (D) x 321 mm (H)		
WEIGHT	15.1 kg		



CL6NX Plus Series

- Full color interactive LCD with Intuitive Menu Navigation
- On-board Help Videos
- **Tool-less** Maintenance
- 254 mm (optional) media supply and 600m ribbon supported
- RFID Ready (UHF only)
- **Smart Print Head** and Pure Line Platen Roller
- **Micro Label** Print Mode
- Device management with SATO Online Services (SOS) and SATO App Storage (SAS)

	203 DPI	305 DPI
PRINT METHOD	Direct/Thermal Transfer	
PRINTING SPEED	Up to 254 mm/sec	Up to 203 mm/sec
MAX PRINT WIDTH	167.5 mm	
MAX PRINT LENGTH	2500 mm	1500 mm
DIMENSIONS	338 mm (W) x 457 mm(D) x 321 mm (H)	
WEIGHT	20.3 kg	

CLNX PLUS ACCESSORIES



RWG500

- Face-In/Face-Out rewind option
- Up to 381 mm/sec with automatic speed adjustment
- Optional 7" extension for wide web printing
- Full roll-to-roll rewind
- Will work with non-SATO printers (external AC power pack is required)

The SATO RWG500 Label Rewinder is ideal for batch printing applications. The RWG500 allows for full 8" roll-to-roll rewind of either face-in or face-out wound media. Direct rewinding on the 1.5" spindle or use of 3" core is available with selectable clockwise/counter clockwise operation.

The RWG500 can accommodate 1" to 5" media widths or can be outfitted with optional 7" extension for wide-web printer models. The rewind tension arm detects paper slack, paper presence and incoming paper speed, up to 15 ips, to ensure proper operation and uniform rewind of media. The RWG500 is supplied with EXT interface cable to be used with SATO industrial printers or can also be powered by optional external AC adapter for all other printer models.

CLNX PLUS ACCESSORIES

Barcode Checker

- Retracts and voids over labels if barcode data cannot be validated
- Prevent unreadable barcodes from being applied and entering the supply chain
- Eliminate unnecessary fees from occurring due to un-scannable barcodes
- Ensure correct data is being printed by enacting an audit plan

SATO's Barcode Checker for the CLNX Plus Series printer allows users to automatically scan and validate all 1D and 2D barcode symbologies on their printed label. The Barcode Validator provides integrated operation with the CL4NX Plus/CL6NX Plus printer models, which can be configured to either read or compare barcode data. Easy to use and implement with no additional software required, as operational settings are selectable directly from CLNX LCD menu.



Cutter

- Front mount guillotine cutter unit
- Single item or batch print job cut settings
- Long lasting blade life



Rotary Cutter

- Heavy duty cutter for use with tough and/or synthetic materials.
- Available for CL4NX Plus models



Dispenser

- Dispenser unit for peel and present label application

M84Pro Series



- Heavy-duty metal industrial construction
- Proven rugged reliable design
- **Interchangeable** printhead **resolution** (203, 305 or 609 dpi)
- High print speed and resolution
- 18 MB of on-board memory
- Wide range of plug-in interface options

	203 DPI	305 DPI	609 DPI
PRINT METHOD	Direct/Thermal Transfer		
PRINTING SPEED	Up to 254 mm/sec	Up to 203 mm/sec	Up to 152 mm/sec
MAX PRINT WIDTH	104 mm		
MAX PRINT LENGTH	1249 mm	833 mm	356 mm
DIMENSIONS	265 (W) x 435 (D) x 341 (H) mm		
WEIGHT	18 kg		



SG112-ex

- **Large format** industrial printer
- Supports media sizes from 132 mm up to 300 mm wide
- **Wrinkle-free** media handling
- Optional media roll unwinder or cutter

	305 DPI
PRINT METHOD	Direct/Thermal Transfer
PRINTING SPEED	Up to 152 mm/sec
MAX PRINT WIDTH	266.7 mm
MAX PRINT LENGTH	420 mm
DIMENSIONS	475 (W) x 313.4 (D) x 319.2 (H) mm
WEIGHT	20 kg



Desktop Printers

Thermal desktop printers from SATO are compact, cost effective, and easy-to-use. Receipts, labels, wristbands and RFID inventory tracking labels are easily created on a printer that fits just about anywhere!



WS4 Series

The SATO WS4 Series is an easy to use, feature rich compact 4" printer with fast throughput and print speeds at either 203 or 300 dpi resolutions, providing exceptional output. With features not typically found at this price point, the WS4 base model has three standard interfaces, including Ethernet and optional Bluetooth or 802.11 WLAN.

The WS4 is available either as Direct Thermal only or Thermal Transfer model, which allows up to a 300m ribbon. Best of all, the WS4 comes standard with robust onboard emulations. The SATO WS4 maximizes performance and investment for versatile desktop label applications in various regional markets and vertical segments. Base Model Includes: USB, RS232, Ethernet interfaces.

	203 DPI	300 DPI	203 DPI	300 DPI
PRINT METHOD	Direct Thermal		Thermal Transfer	
MAXIMUM PRINT AREA WIDTH	104 mm			
MAXIMUM PRINT AREA LENGTH	996 mm			
PRINT SPEED	Up to 152.4 mm/sec	Up to 102 mm/sec	Up to 152.4 mm/sec	Up to 102 mm/sec
PRINTER MEMORY	Flash ROM: 16MB, RAM: 32MB			
DIMENSIONS	183.8 (W) x 225.9 (D) x 166 (H) mm		220.6 (W) x 278.5 (D) x 187.5 (H) mm	
WEIGHT	1.74 kg		2.48 kg	



WS2 Series

- Best in Class Patient Safety - Disinfectant-ready, **antimicrobial** casing (industry-first feature)
- Print on Demand - High-quality **patient ID wristbands** and inpatient/laboratory labels. Compact, lightweight design for ease of transportation
- Save Time - **Hassle-free** media loading, enhanced printer setting tools and web browser for ease of operation, faster than market average print speed, up to 177 mm/sec
- Integrate Easily - Cerner accredited and ready for connection to all existing HIS/ EMR systems through the standard USS and Ethernet interfaces
- **Reduced Carbon** Footprint - Less consumable wastage compared to equivalent models on the market
- Eradicate Errors - Draw information from existing patient management systems

The WS2 is a hygienic, compact direct thermal desktop printer from SATO ideal for various healthcare scenarios. Suitable for direct use in the hospital ward due to its disinfectant-ready, antimicrobial plastic casing, the WS2 prints both patient ID wristbands and inpatient labels quickly and accurately for optimum patient safety and operator peace of mind.

The WS2 is also offered **bundled with SATO patient ID wristbands** as part of a competitive package, making the need to hand write labels a thing of the past.

	203 DPI	300 DPI
PRINT METHOD	Direct Thermal	
MAXIMUM PRINT AREA WIDTH	60 mm	
MAXIMUM PRINT AREA LENGTH	2500 mm	1270 mm
PRINT SPEED	Up to 177 mm/sec	Up to 127 mm/sec
PRINTER MEMORY	Flash ROM: 16MB, SDRAM: 32MB	
DIMENSIONS	116 (W) x 170 (H) x 215 (D) mm	
WEIGHT	1 kg	

CT4-LX

- 4.3 inch full-color touchscreen
- One-touch media profile recall
- **Pre-installed** printer language **emulations**
- Auto clone printer settings
- Label Waste Prevention
- **RFID**



Anything but ordinary, the CT4-LX thermal desktop printer seamlessly combines intelligence, functionality, and performance. Standard features include a 4.3-inch full-color touch screen display, multiple connectivity options, existing application support using on-board competitive emulations along with instructional videos. Setup, operation, and maintenance are just a touch away.

	203 DPI	305 DPI
PRINT METHOD	Direct/Thermal Transfer or Direct Thermal Only	
PRINTING SPEED	Up to 203 mm/sec	Up to 152 mm/sec
MAX PRINT WIDTH	104 mm	
MAX PRINT LENGTH	2500 mm	1500 mm
DIMENSIONS	178 (W) x 238 (D) x 214 (H) mm	
WEIGHT	3.4 kg	

Mobile Printers

Portable thermal printers offer the flexibility needed for many receipt and label applications. SATO's direct thermal printers provide mobility printing without sacrificing quality or dependability.



Achieve all of your on-demand printing needs with one of SATO's dynamic mobile printers.

The PW2NX, PV3 and PV4 help you minimize labeling errors and increase efficiency of on-the-go tasks.

What to consider for mobile label printing?

- Media capacity
- Ruggedness and durability
- Designed for label printing
- Wireless connectivity
- Battery capacity and life
- Device management
- Economics of solution
- Accessories



PW2NX

- Full 55 mm print width
- Built-in dispenser
- Six preinstalled emulations
- Customized programs
- **Smart battery** for easy management and full shift operation
- Numerous chargers and **accessories**
- Bright status LEDs and color display

	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 152 mm/sec
MAX PRINT WIDTH	55 mm
MAX PRINT LENGTH	160 mm
DIMENSIONS	95 (W) x 128 (D) x 68 (H) mm
WEIGHT	437.8g incl. battery pack



MOBILE PRINTERS



PV3

- Compact design with **robust** construction
- Drop resistance of 2.1 m
- Light-weight (694g) design reduces user fatigue
- Belt clip provides mobility for **hands-free** operation
- Bluetooth, Wireless LAN and USB connectivity
- Android and iOS compatibility
- Water **resistant** and dust proof (IP54)

	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 127 mm/sec
MAX PRINT WIDTH	72 mm
MAX PRINT LENGTH	400 mm
DIMENSIONS	119 (W) x 159 (D) x 379 (H) mm
WEIGHT	694g incl. battery pack

PV4

- Large 2.6" OD roll capacity
- 2" Color LCD
- 1.8 m drop and IP54 rated
- **Extra** capacity 6700 mAh smart **battery**
- Connectivity for Apple iOS
- Easy Bluetooth pairing with NFC

	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 127 mm/sec
MAX PRINT WIDTH	104 mm
MAX PRINT LENGTH	400 mm
DIMENSIONS	158 (W) x 186 (D) x 82 (H) mm
WEIGHT	1090g incl. battery pack

Specialty Printers

Thermal printing solutions expand far beyond basic barcode shipping labels. SATO offers a diverse selection of specialty thermal printers designed for applications of e-Commerce, in-house RFID tags and labeling.





FX3-LX

- 7" full color, **smart** touchscreen interface
- Battery operation option
- AEP Works' facilitates rapid development of custom applications
- **Wireless** connectivity
- Robust all-in-one design
- Easy connectivity to **peripheral devices** (scanners, scales, and other devices)

	305 DPI	
	STANDARD AC ADAPTER OPERATION ONLY	BATTERY MOUNTED KIT OPTION
PRINT METHOD	Direct Thermal	
PRINTING SPEED	Up to 152 mm/sec (plugged in)	Up to 101 mm/sec (battery only)
MAX PRINT WIDTH	80 mm	
MAX PRINT LENGTH	500 mm	
DIMENSIONS	132 (W) x 225 (D) x 161 (H) mm	132 (W) x 225 (D) x 180 (H) mm
WEIGHT	2.5 kg	3.0 kg

RFID Printers

SATO offers a wide array of UHF and NFC/HF encoding solutions to fit the application needs of today and the implementation of technology in the future.





CL4NX Plus RFID



CL6NX Plus RFID



CT4-LX RFID



S84-ex RFID Print Engine

SATO RFID Printers

SATO offers a wide array of UHF and NFC/HF encoding solutions to fit the application needs of today and the implementation of technology in the future. Our products support EPC, ISO, I-Code, Tag-it standards fulfilling case carton to item level tagging industry standards.

The SATO RFID printers write, verify and print smart labels and tags with embedded RFID transponders. In the case of a tag failure, the RFID printer will mark the tag, send a "bad tag" output and advance to the next one, assuring reliability in mission critical applications.

	UHF	HF	NFC	SATO RF ANALYZE (SRA)
CL4NX PLUS	X	X	X	X
CL6NX PLUS	X		X	X
CT4-LX	X	X	X	X
S84-ex PRINT ENGINE	X			

Print Engines

As the world's largest supplier of thermal barcode and RFID print engines, SATO continues to manufacture solutions regarded as the premier standard for the print and apply industry.

www.satoeurope.com

S84/86-ex Series

SATO's S84/86-ex print engine, designed for high volume, 24/7 mission critical print & apply labeling operations. Engineered for ease-of-use, without sacrificing advancements in technology, the S84/86-ex provides next generation expertise with uncompromising quality from the world's print engine leaders.



EASY TO USE

- Two Color Status LED and LCD
- Best-in-class Print Speed and Throughput
- Downloadable/Uploadable Printer Settings via SD and USB memory, All-in-One Tool management software and built-in web interface

QUICK MAINTENANCE

- Easy Roller and Tool-less Printhead Replacement
- Convenient Access to Backside Components
- Tool-less Sensor Cover Replacement

ENHANCED CONNECTIVITY

- Multiple Interfaces On-board
- D-SUB 25 pin EXT Interface - NPN/PNP Connection
- Standard Emulations On-board
- Multi-national Language Support

	203 DPI	305 DPI	609 DPI	203 DPI	305 DPI
PRINT METHOD	Direct/Thermal Transfer			Direct/Thermal Transfer	
PRINTING SPEED	Up to 406.4 mm/sec	Up to 355.6 mm/sec	Up to 152.4 mm/sec	Up to 355.6 mm/sec	Up to 304.8 mm/sec
MAX PRINT WIDTH	104 mm			167.5 mm	
MAX PRINT LENGTH	2500 mm	1500 mm	400 mm	1249 mm	
DIMENSIONS	245 (W) x 408 (D) x 300 (H) mm			245 (W) x 417 (D) x 300 (H) mm	
WEIGHT	DT/TT: 13.7 kg DT Only: 12.3 kg			DT/TT: 15.1 kg DT Only: 13.6 kg.	

Lt408

The Lt408 print engine, when integrated with an applicator system, provides low-throughput, light-duty applications with an automated, yet affordable, print/apply labeling solution to replace labor intensive hand labeling or expensive pre-printed carton inventory.



	203 DPI
PRINT METHOD	Direct/Thermal Transfer
PRINTING SPEED	Up to 150 mm/sec
MAX PRINT WIDTH	104 mm
MAX PRINT LENGTH	1249 mm
DIMENSIONS	330 (W) x 271 (D) x 270 (H) mm
WEIGHT	9.7 kg

Laser Printers

High-volume laser printers from SATO are ideal for businesses that need to print large amounts of labels, tags/tickets, reports, or forms.





LP 100R

SATO's LP 100R industrial continuous form laser printer is ideal for printing large amounts of labels, tags/tickets, or forms, ranging from the thinnest labels to the thickest tag stocks. Our printer is designed for performance, reliability, ease-of-use, and low operating costs.

PRINT METHOD	Flash Fusion (no heat / pressure)
RESOLUTION	240, 300, 400, 480, or 600 dpi
PRINT SPEED	100 pages-per-minute (2 up letter)
PRINT WIDTH	45.75 cm
MEDIA WIDTH	15.25 - 45.75 cm
MEDIA THICKNESS	20 mil

Options and Accessories

Dependable SATO brand accessories extend the value of your printers. Available are a variety of options for thermal and RFID printers.

www.satoeurope.com

Options and Accessories for Thermal Printers

Dependable SATO brand accessories extend the value of your printers. Available are a variety of options for thermal barcode, RFID and laser printers. Media handling options such as cutters, dispensers, rewinders/underwinders and linerless kits will increase the flexibility and efficiency of your printing systems. Competitive emulations and wireless networking interfaces allow for diversity and a great ROI. With SATO accessories, you'll find exactly what you need to increase the overall performance of your SATO printer.

EXAMPLES



CL4NX Plus with cutter



PV3 Battery Charger



RWG500 Rewinder



FX3-LX Mounting Station



CL4NX Plus with dispenser

Ask your local SATO representative
for **the whole list of options and accessories**

Consumables: Labels, Tags & Ribbons

For the best results of imaging and durability, use SATO Genuine labels, ribbons and supplies. Your customers will notice the difference.



www.satoeurope.com

Labels / Ribbons / Wristbands / RFID Tags

SATO supplies a range of labels, tags, ribbons, RFID solutions, wristbands to complement its printer and hand labelling devices portfolio.

- To meet every need (**waterproof, transparent, linerless, wash-off, durable in harsh conditions, metal direct thermal** ... and plenty of others!)
- Standard and tailored solutions
- High quality materials
- Many products manufactured in-house at SATO

Our **European Consumables Program (ECP)** enables SATO partners to take full advantage of competitive discounts for all standard labels and ribbons based on the amount of volume purchased

SATO Consumables = High Quality + Professional Support



Ask your local SATO representative
for more details



SATO Application-Enabled Printing (SATO AEP) Intelligence Inside the Printer

The next generation of printing allows the CL4NX Plus, CL6NX Plus, CT4-LX, CT4-LX-HC, and the FX3-LX for use as a complete standalone or connected printing solution, thus eliminating the need for costly computers and software maintenance. SATO AEP provides a robust platform to develop custom label printing solutions. Since AEP runs independent of host systems, all label processing/printing is done directly from the print station, including RFID* encoding. Enter data input directly to the printer LCD or using common peripherals such as a USB keyboard, barcode scanner, weight scale, or directly to local or cloud servers without middleware. There are no limits to the types of applications that can be developed, from simple fixed formats to complex data manipulation, SATO AEP sets the bar in barcode printing solutions.

Benefits for implementing SATO AEP solutions in your businesses including:

- Reduce costs
Printer operates without a PC thus reducing the up-front investment and running costs.
- Simplify & improve productivity
Improve productivity with simple to use applications and less operator training.
- Focus on printing
Controlled AEP applications can limit unauthorized use keeping the printer operating with less interruption.

Contact your SATO Representative for more details on AEP solutions and development costs.

*RFID (NFC/HF/UHF) available on select CL4NX Plus, CL6NX Plus, and CT4-LX models.



PDF Direct Print

Enable swift, accurate and time-saving label printing from PDFs with SATO's PDF Direct Print. Users can directly print PDF data generated in other business applications or systems, alongside OS and PC applications, to reduce errors and improve operational productivity.

Requires a one-time permanent license per printer. Available with the CL4NX Plus, CL6NX Plus, CT4-LX, and CT4-LX-HC printers.



SATO App Storage

SATO App Storage is a cloud-based data management service to manage data centrally, ensuring up-to-date data and label formats are being used across all deployed printers. This assures the right data is provided to the correct printer no matter the location, simplifying deployment and setup of printers.



SATO App Storage

SATO Online Services

SATO SOS is a cloud-based system which monitors SATO printers and shares information for remote preventative maintenance and error detection without the need of an on-site engineer. Through online connectivity, the status of multiple printers is monitored, proactively preventing costly downtime and associated loss of revenue.



ONE LINE / TWO LINE / THREE LINE HANDHELD LABELLING SYSTEMS

With over 50 years experience in the production of hand labelling devices, SATO continues to manufacture the most robust, reliable and user-friendly devices with complementary labels for all applications.

Designed for merchandise labelling in both small and large volumes, SATO devices can print one, two or three lines of information and are available in a number of models tailored to the needs of the application, including specific solutions for the food labelling sector.



APPLICATIONS:

- In-store pricing
- Discount pricing
- Use-by dates
- Best Before
- Quality Control

APPLICATIONS:

- Batch numbering
- Date of manufacture
- Product code
- Serial numbering

1. Direct thermal media can be used on **any thermal transfer** printer.
2. SATO AEP offers customization and standalone operation (**PC-free**) of the printer.
3. SATO CLNX Plus Series and CT4-LX printers are all Wi-Fi certified.
4. **Emulations** come standard on many SATO printers with print languages such as Zebra, Datamax, and Intermec.
5. Pre-loaded **instructional videos** provide real-time assistance to reduce down time for tasks such as ribbon or media replacement.
6. Visual indicators and tool-less replacement make **maintenance easy** on SATO printers.
7. Regular cleaning and preventative maintenance keep your SATO printer running optimally.
8. SATO manufactures a full line of stock media as well as custom made to order ribbon, labels and tags.
9. SATO wristbands are ideal for Healthcare providers.





Corporate Profile

SATO is a global auto-ID solutions provider for leading companies in manufacturing, logistics, retail, food & beverage and healthcare.

SATO tags every 'thing', making it knowable in real time for a connected world of productivity, safety, reassurance and sustainability.

An industry pioneer with a focus grounded on site, SATO engineers hardware and integrates solutions to streamline entire supply chains with visibility extending to the consumer.

SATO has over 80 years of expertise and a 5,400+ strong global workforce in 27 countries.

We Start Where You Are