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CT4-LX-HC

Striving for Better Healthcare with Innovative Solutions

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CT4-LX-HC

A dedicated smart & intuitive 4" label printer for the healthcare sector

With digital transformation technologies reinventing how healthcare providers can meet evolving patient demands, smart solutions that prioritise accuracy, ease of use, and speed to market are key to ensuring patient care remains the top priority.

Hospitals, pharmacies, labs and pharma manufacturers striving to meet the needs of a growing and ageing population require solutions that not only deliver here and now, but also future-proof healthcare solutions going forward. Exceptionally versatile and functional, the CT4-LX-HC is designed to achieve next-level patient and consumer care.

Key Environments

Hospitals

An antimicrobial casing that improves patient safety and limits the spread of HAI

Pathogens often proliferate in hospitals, leading to high patient morbidity when transmitted. In response, recent technological advancements, like antimicrobial coatings on frequently touched surfaces, have proven effective in reducing hospital-acquired infections (HAI) by minimising the risk of post-cleaning recontamination. The CT4-LX-HC printer comes complete with an anti-microbial casing, making it suitable for disinfectant wipe-downs, which helps reduce the risk of infections and recontamination spread in hospital environments.



Pharmacies

Cost-effective labelling for patient prescriptions

Stringent medical legislation underlines how crucial it is for pharmacists to inform patients correctly via prescription labels, including safety and storage instructions.
The CT4-LX-HC expedites patient workflows for accurate pharmacy labelling with its one-touch media profile recall function. Simply register the label type as a 'media profile' by entering your preferred print method, speed and density. The printer will then leverage its onboard intelligence to quickly verify all data for cost-effective printing.



SATO AEP Application Enabled Printing

Simplify label printing and reduce costs with onboard printing intelligence

SOS SATO Online Services

Minimise downtime and stabilise operations with proactive and preventative maintenance

SOTI - Printer Management Made Easy

Helps businesses reduce the cost, complexity and downtime of business-critical mobile and IoT operations

PDF Direct Print

Directly print PDF data generated via other systems, reducing errors and any associated loss of time and resources



Labs

Rapid, accurate and effective labelling for specimen testing

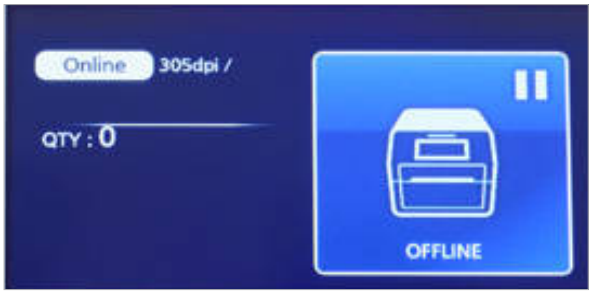
Accurate laboratory labelling is crucial to avoid patient misdiagnosis, testing delays or delivering incorrect treatment dosages. With the CT4-LX-HC, users can enjoy label printing speeds of up to 8 inches per second and ultra-accurate data with onboard intelligence from SATO AEP, which autonomously verifies labels against the printer's database before printing.



Pharmaceutical Manufacturers

Accelerating the speed to market with fast and precise product labelling

Amid ever-changing industry regulations, speed to market is crucial for pharmaceutical manufacturers to remain compliant with the latest guidance. And needless to say, safe, efficient and accurate labelling is non-negotiable. Designed for fast-paced environments, the CT4-LX-HC is a highly functional and user-friendly solution. With a 4.3-inch colour touchscreen and a single-touch media profile recall feature, it paves the way for faster, more accurate labelling with fewer user errors than ever before.



CT4-LX-HC Technical Specification

PRINTING SPECIFICATION				
Printing Method			Direct Thermal / Thermal Transfer	
Print Mode			Continuous, Tear-off, Cutter	
Print Resolution			8 dots/mm (203dpi)	12 dots/mm (305dpi)
Max. Print Speed			8ips (203mm/s)	6ips (152mm/s)
Max. Print Area	Width		104mm (4.1")	
	Length		2500mm (98.4")	1500mm (59.1")
Processor			32-bit Processor 1GHz	
Printer Memory			4GB ROM, 1GB 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, center alligned, face-in and face-out.	
Media Thickness			0.08 - 0.19 mm (80 – 190 µm) (0,031" - 0,075")	
Label Shape	Roll Diameter		Max. ø 128mm (5.0") on 40mm (1.5") core; Max. ø 115mm (4.5")	
	Wind Direction		Face Out / Face In	
Label Size (Without Liner)	Continuous	Width	22 – 115mm (0.87" – 4.53"), Including Liner 25 – 118mm (0.98" – 4.65")	
		Length	7 – 397mm (0.28" – 15.63"), Including Liner 10 – 400mm (0.39" – 15.75")	
	Tear-Off	Width	22 – 115mm (0.87"– 4.53"), Including Liner 25 – 118mm (0.98" – 4.65")	
		Length	22 – 397mm (0.87" – 15.63"), Including Liner 25 – 400mm (0.98" – 15.75")	
	Cutter	Width	22 – 115mm (0.87" – 4.53"), Including Liner 25 – 118mm (0.98" – 4.65")	
		Length	20 – 397 mm (0.87" – 15.63"), Including Liner 23 – 400mm (0.91" – 15.75")	
Ribbon	Size		Max. Length: 100m (3937"), Max. Roll Diameter: 39mm (1.54"), Ribbon Width: 45 – 111 mm (1.77" – 4.37"), Core Diameter: 12.7mm (0.5"), Wind Direction: Face Out	
FONTS / SYMBOLOGIES				
Internal Fonts	Standard Bitmap		U, S, M, WB, WL, XS, XU, XM, XB, XL, OCR-A, OCR-B, Japanese Kanji, Simplified/Traditional Chinese, Korean	
	Scalable Fonts		40 Scalable Fonts, Multi-National Language Support (47 Languages), Single and Double Byte Fonts (Korean, Chinese, Japanese)	
	Encoding		Major Latin and Pan-European Code Pages (WGL4 Compatible), GB18030 (Simplified), KSX1001 (Korean), BIG5 (Traditional), JIS, SHIFTJIS, UTF- 8 / UTF-16BE, Unicode	
Barcode	Linear		UPC-A, UPC-E, Code 39, Code 93, Code 128, GS1-128 (UCC / EAN128), CODABAR (NW-7), ITF, Industrial 2 of 5, NEC Matrix 2 of 5, Matrix 2 of 5, MSI, Customer Barcode, 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		PDF417 Including Micro PDF, Maxi Code, GS1 Data Matrix, Datamatrix (ECC200), QR Code including Micro QR , Aztec code	
	Composite Symbologies		EAN-8/13 Composite, UPC-A/E Composite, GS1 DataBar (Composite, Truncated Composite, Stacked Composite, Expanded Stacked Composite, Expanded Composite, Stacked Omnidirectional Composite, Limited Composite), GS1-128 Composite, GS1 DataBar Limited Composite (CC-A / CC-B), GS1-128 Composite (CC-A / CC-B / CC-C)	
Print Direction			Character Data and Barcode Rotation: 0°, 90°, 180°, 270°	
User Downloadable Fonts, Graphics or Formats			Max. 1 GB. Expandable memory (USB dongle) 4 GB.	
INTERFACE CHARACTERISTICS AND INTEGRATION				
Interfaces	Standard Interfaces		USB 2.0 High Speed (Type A x 2 / B x 1), LAN (10BASE-T / 100BASE-TX / 1000BASE-T), NFC,	
	Optional Interfaces		RTC, WLAN (WiFi certified, IEEE802.11a/b/g/n/ac), DHCP Option 81 and Bluetooth Ver 4.1	
Display Panel			4.3 TFT Full Colour (480 x 272), Resistive Touch Display	
Large Status LED			Blue / Red	
Multi-national Language Support			47 Languages and Scalable Print Fonts, 31 Languages for LCD Menu	
Remote Maintainence			SNMP Ver. 3, HTTPs	
Supported Printer Protocols			SBPL (SATO Barcode Printer Language), SZPL, SDPL, SIPL, STCL, SEPL	
OPERATING CHARACTERISTICS				
Power Requirements			Input: AC100V~AC240V±10%, 50/60 Hz, (AC adapter) Output: DC24V ±5.0% 2.7A	
Environment	Operating		0 – 40 °C / 30 –80 % RH (Non Condensing)	
	Storage		-10 – 60 °C / 15 – 90 % RH (Non Condensing)	
Dimensions			Width 178 mm x Depth 238 mm x Height 214 mm (7.0" x 9.4" x 8.42")	
Weight			3,4kg (7.5 lbs) (TT Model)	
MISCELLANEOUS				
Standards & Agency Approvals			IEC 60950, CE Marking, EN 60950-1, EN55032, EN 55024, RE, Nemko-GS , cMETus, UL60950-1/CSA C22.2 No. 60950-1, FCC 15 (SUB B, C, E), ICES-003, BIS, RCM, CCC, SRRC, KC, SIRIM, IMDA, PTQC, NBTC, DGPT, BSMI, NCC, NTC, EAC, IRAM, ENACOM, ANATEL, NOM, IFT	
Functions – Useful features			Label Waste Prevention, Media Profile, Auto Clone, SATO Online Services (SOS), 21 Preset Printer Maintenance Videos, 1GB Available Space for Storage of Customised Videos (Sound Playable with Onboard Speaker)	
Functions – Self Diagnosis Checking			Thermal Head Check, Label End Sensor, Ribbon Near-End and End Sensor, Test Print, Cover Open Detection	
OPTIONS				
Accessories			Cutter, Real-Time Clock, Wireless LAN + Bluetooth Kit	

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