

Smart Printing Made Simple for Healthcare



CT4-LX-HC

Next Generation 4" Smart Desktop Printer

Healthcare dedicated

- **Clinical-ready anti-microbial plastic casing**
- **Conducive for the use of disinfectant cleansers**



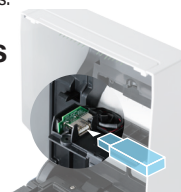
Functional design

- **4.3 inch full-color touchscreen**
- **Label waste prevention**
Enables user to print from the first label onwards and eliminate first label loss.



Efficient & cost-effective

- **One-touch media profile recall**
Register settings of commonly printed label types.
- **Auto clone printer settings**
Easy to backup or duplicate settings on a USB flash drive.
- **PDF Direct Print**
Printer processes data in PDF format to print.



IoT smart printing

- **PC-less printing and direct connectivity**
Save cost and simplify printing with SATO AEP.
- **Proactive preventative maintenance**
View status of printers at a glance with SOS.



Technical Information

PRINTING SPECIFICATION			
Printing Method		Direct Thermal / Thermal Transfer	
Print Mode		Continuous, Tear-off, Cutter, Dispenser, Linerless	
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), Top Sensor (For Label Waste Prevention Function)	
Media Type		Roll or Fanfold Die Cut Labels, Plain Paper Face Stock, Synthetics and Continuous Stock	
Media Thickness		0.08 – 0.19mm (80 – 190µm) (0.003" – 0.0075")	
Label Shape	Roll Diameter	Max. Φ 128mm (5.0") on 40mm (1.5") core	
	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 / Dispenser	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. 1GB	
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	RS-232C, WLAN (WiFi certified, IEEE802.11a/b/g/n/ac) 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 Maintenance		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 178mm x Depth 238mm x Height 214mm (7.0" x 9.4" x 8.42")	
Weight		3.4kg (7.5lbs) (TT Model)	
MISCELLANEOUS			
Standards & Agency Approvals		IEC60950, cMETus, UL60950-1/CSA C22.2 No. 60950-1, FCC 15 (SUB B, C, E), ICES-003, KC, IEC62368-1	
Functions – Useful Features		Label Wastage 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	
Anti-microbial Finishing		Disinfectant-ready Anti-microbial Casing	
OPTIONS			
Accessories		Cutter, RS-232C Kit, Real-Time Clock, Wireless LAN + Bluetooth Kit*	

*Available only in America



All information in this leaflet is accurate as of 2021 February.
Product specifications are subject to change without notice.
Any unauthorized reproduction of the contents of this leaflet, in part or whole, is strictly prohibited.
All other software, product or company names are trademarks or registered trademarks of their respective owners.