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Smart printing
made simple.



CT4-LX

Next Generation 4" Smart Desktop Printer

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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) *Linerless mode: 4ips (101mm/s)	6ips (152mm/s) *Linerless mode: 4ips (101mm/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") for RFID Label	
	Wind Direction		Face Out / Face In (RFID: Face Out)	
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")	
	Linerless	Width	25 – 110mm (0.98" – 4.33")	
		Length	25 – 100mm (0.98" – 3.94")	
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, 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 Wastage Prevention, Media Profile, Auto Clone, SATO RF Analyze (SRA) for UHF RFID, 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, Linerless Cutter, Dispenser Kit, RS-232C Kit, Real-Time Clock, Wireless LAN + Bluetooth Kit, RFID UHF & HF	
RFID SPECIFICATION (Optional)				
UHF	Standard		ISO/IEC 18000-63	
HF	Standard		ISO/IEC 15693 & ISO/IEC 14443 Type A/FeliCaLite	

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