

Smart printing made simple.



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 aligned, 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 Symbolologies	PDF417 Including Micro PDF, Maxi Code, GS1 Data Matrix, Datamatrix (ECC200), QR Code including Micro QR, Aztec code	
	Composite Symbolologies	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, Wired 802.1x	
	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	