

FX3-LX Technical Specification

PRINTING SPECIFICATION		FX3-LX
Printing Method		Direct Thermal
Print Resolution, dots/mm (dpi)		12 dot/mm (305dpi)
Max. Print Area	Width, mm (inch)	80 mm (3.15")
	Length, mm (inch)	500 mm (19.69")
Max. Print Speed, mm/sec (ips)		AC adapter operation: 152mm/sec (6 ips) Battery operation: 101mm/sec (4 ips)
Printer Mode		Continuous, Tear-off, Cutter, Partial Cutter, Dispenser, Linerless Tear-off, Linerless Cutter

CONSUMABLES SPECIFICATION. For optimal print quality SATO recommends the use of SATO Genuine Consumables

Sensor Type		Gap (Transmissive) and I-Mark (Reflective)	
Media Type		Roll (Continuous, Die-cut, linerless), Fan-fold	
Media Thickness (Label and Liner)		0.14 mm (0.0055") ~ 0.19 mm (0.0075")	
Label Roll	Diameter	105 mm (4.13") on 25 mm (1") ID Core. 90 mm (3.54") on 40 mm (1.5") ID Core	
	Wind Direction	Face-in/ Face-out, No setting change required	
Label Size (Label and Liner)	Continuous	Width	28 mm (1.10") ~ 85 mm (3.35")
		Length	19 mm (0.75") ~ 503 mm (19.80")
	Tear Off	Width	28 mm (1.10") ~ 85 mm (3.35")
		Length	19 mm (0.75") ~ 503 mm (19.80")
	Cutter	Width	28 mm (1.10") ~ 85 mm (3.35")
		Length	19 mm (0.75") ~ 503 mm (19.80")
	Dispenser	Width	28 mm (1.10") ~ 85 mm (3.35")
		Length	19 mm (0.75") ~ 503 mm (19.80")
	Linerless	Width	32 mm (1.26") ~ 82 mm (3.23")
		Length	20 mm (0.79") ~ 500 mm (19.69")
	Linerless Cutter	Width	32 mm (1.26") ~ 82 mm (3.23")
		Length	45 mm (1.77") ~ 500 mm (19.69")

USER FRIENDLY SUPPORT TOOLS

Display Panel	7" TFT Full Color touch screen LCD (480 x 800)
Large Status LED	Blue/ Red
Multi National Language Support	47 Languages and Scalable Print Fonts. 31 Languages for LCD Menu
Operation and customer videos	14 preset videos including media loading, parts replacement, option installation, cleaning etc. 1 GB space available for storing and playing customer videos with sound. (onboard speaker)
Peripheral devices	Connect peripheral devices like scanner, keypad and keyboard directly to the printer for data input
Remote Maintenance	SNMP Ver. 3, HTTPs
Preventive Maintenance	SOS (SATO Online Services)

FONTS / SYMBOLOGIES

Fonts	Standard Fonts	Bitmap fonts: 10 SATO fonts, 4 POP fonts. Scalable fonts: 39 fonts. Multi-national language support (47 languages/Unicode), Single and Double byte fonts (Korean, Chinese, Japanese)
Barcodes	1D Barcode	Code 39, Code 93, Code 128, CODABAR (NW-7), EAN 8/13, GS-1 Databar, GS-1 128 (UCC/ EAN 128), Interleaved 2/5, Industrial 2/5, JAN 8/13, Matrix 2/5, MSI, Bookland, Postnet, UPC-A/E, Customer Barcode, Postnet, USPS code
	2D Barcode	Aztec, PDF 417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR 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

INTERFACE CHARACTERISTICS

	USB + LAN Model	USB 2.0 (Type A) x 3, USB 2.0 (Type B), Ethernet (IPv4/v6), NFC
	Optional WLAN/Bluetooth kit	Wifi: Wifi Direct IEEE802.11 a/b/g/n/ac, Dual Band, (2.4GHz/ 5GHz) Bluetooth: version 4.1, MFi certified
Language Emulations		Auto Detect, SBPL, SZPL, SDPL, SIPL, STCL, SEPL

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OPERATING CHARACTERISTICS		
Power Requirements		Universal Auto-ranging Power Supply, 100-240 VAC +/-10%, 50/60 Hz
Battery		Lithium-ion Smart Battery. 14.4V, 1950 mAh. (Battery run time can be extended by enabling the printer's power saving features; Refer to the operator manual or contact your local SATO provider for details)
Power Saving		Support smart settings including Auto Power Off and Sleep Mode
Dimensions	Standard model	W132 mm x D 225mm x H161mm *Excluding label roll, AC adapter and other options
	Standard model with battery mount kit	W132 mm x D 225mm x H180mm
Weight	Standard model	2.5 kg
	Standard model with battery mount kit	3.0 kg
Standards & Agency Approvals		Noise (EMC) standards: EN55032, EN55024, EN61000-3-2 / 3-3, EN300 330-2 / -1, EN301 489-1 / -3 / -17, FCC Part15 Subpart B, ICES 003. Safety standards: UL60950-1, CSA C22.2 No.60950-1, IEC/EN60950-1. Wireless regulations: FCC Part15 Subpart C/E, ISSED RSS-Gen, ISSED RSS-247, EN 300 328, EN 301 893
Operating environment	Label (excluding dispenser)	0~40°C/ 30~80%RH (non condensing)
	Label (dispenser)	0~35°C/ 30~75%RH (non condensing)
	Linerless	5~35°C/ 30~75%RH (non condensing)
Storage environment		-5~60 °C, 30~90% RH Non-condensing
MISCELLANEOUS		
Compliance		IPx2, IK06, Energy Star, Bluetooth MFi Certification
OPTIONS		
Accessories		Cutter Kit, Partial Cutter Kit, Linerless Kit, WLAN / Bluetooth Kit, Battery Mount Kit, Lithium ion Battery, Battery Charger, Cradle Kit, Wall Mount Kit

For more information, please contact
your local SATO office, or visit:

satoeurope.com