Flexible intelligence at your fingertips.

FX3-LX

An intuitive 3-inch label printer that seamlessly adapts to your business

WiFi CERTIFIED

Made for
 iPhone | iPad | iPod

energy
ENERGY STAR

reddot award 2017
winner

SOS
SATO Online
Services

SATO
AEP
Application
Enabled Printing

SATO

FX3-LX

Effortless label printing for complex operations

With a 7-inch TFT full colour touch screen, the award-winning SATO FX3-LX is a flexible, next-generation label printer suitable for a wide range of industries, including Food, Retail, Manufacturing and Logistics.

FX3-LX's Application Enabled Printing (AEP) platform allows the device to be used as a PC-less, online or standalone printer. The device is also compatible with SATO Online Services (SOS), a cloud-based proactive maintenance solution that provides prompt support and eliminates unnecessary operational downtime.

⊘ KEY BENEFITS

- Improved efficiency, productivity and reduce costs

- Optimised applications (via SATO and SATO partners) for your unique business needs

- Reduced desk space demands. Wall-mounted option available. Portability for hand-held or trolley use

- Multi-purpose asset: Label printer, operator video training tool, compliance monitoring and management tool

- Ideal for global implementation - 47 printable languages, 31 user display languages

- Easy database update by USB/LAN/WLAN

Kitchen & Restaurant

Peace of mind with food-safe features

Use FX3-LX to automatically calculate and print best-before and use-by dates, allergens and secondary shelf-life compliance information for individual products and ingredients, based on its internal product database. Ensure data accuracy at all times by easily updating database from server via USB memory stick, USB and LAN PC connection or automatically via WLAN.

In addition, label usage tracking is also a feature of the FX3-LX, allowing the user to verify whether food safety procedures are being adhered to.

Adapted to hygienic environments

- ⊘ Easy-clean, anti-bacterial casing
- ⊘ Splash proof (IPx2)
- ⊘ Slip resistant
- ⊘ Option to wall mount
- ⊘ Can be operated with gloves
- ⊘ Video + audio training feature

Retail

Print on demand, in any location

Retail staff can easily connect peripheral devices such as scanners and keyboards to FX3-LX for all shop-floor and back-of-store operations via USB or Bluetooth. This makes it easy to retrieve information and print from product databases. Less time is spent on merchandising and more time is focused on customer service.

Calculate automatically for accuracy

FX3-LX automatically calculates sales tax and price discounts to avoid human error. The device keeps track of discounted items and allows corrective actions to be taken, as and when required. FX3-LX's high-resolution print is suited for printing of shelf-edge labels and promotional messages for all stores from high-end shops to discount outlets.

Markdown labelling, made easy

Scan Barcode → **Enter Discount** → **Check Preview & Enter Quantity** → **Print Labels**

Manufacturing & Logistics

Access accurate data anywhere

The multi-functional nature of FX3-LX makes it perfectly suited to manufacturing and logistics environments. Accurate data can be efficiently accessed in multiple sites and geographies from up-to-date, portable database, thus allowing operators to label items correctly.

With FX3-LX, less manual input and internal training is required for applications such as:

- Put-away labelling
- Raw material labelling
- Pick, pack and ship labelling
- Returns labelling
- Cross-docking re-labelling and dispatch addressing

Robust design for challenging environments

- ⊘ IK06 (mechanical impact) compliant
- ⊘ Video + audio training feature
- ⊘ Save space with PC-less printing
- ⊘ Easily connect peripheral devices such as scanners and weight scales
- ⊘ Splash proof (IPx2)
- ⊘ Slip resistant

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 (0.00075")	
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/Tear Off/ Cutter/Partial Cutter /Dispenser	Width (Excluding backing liner): 25 mm (0.98") ~ 82 mm (3.23") Width (Including backing liner): 28 mm (1.10") ~ 85 mm (3.35")	Length (Excluding backing liner): 16 mm (0.63") ~ 500 mm (19.69") Length (Including backing liner): 19 mm (0.75") ~ 503 mm (19.80")
	Linerless	Width: 32 mm (1.26") ~ 82 mm (3.23")	Length (Without cutter): 20 mm (0.79") ~ 500 mm (19.69") Length (With cutter): 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)
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 Symbologies	EAN-8/13 Composite, UPC-A/E Composite, GS1 DataBar, (Composite, Trucated Composite, Stacked Composite, Expanded Stacked Composite, Expanded Composite, Stacked Omnidirectional Composite, Limited Composite), GS1-128 Composite

INTERFACE CHARACTERISTICS	
USB Model	USB 2.0 (Type A) x 3, USB 2.0 (Type B), NFC
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

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
Power Saving		Programmable energy saving functions
Dimensions (Standard Model)		W132 mm x D 225mm x H161mm (Excluding label roll, AC adapter and other options) W132 mm x D 225mm x H180mm (Including battery mount kit)
Weight (Standard Model)		2.5 kg (without battery mount kit) 3.0kg (with battery mount kit)
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, CCC, KC, BSMI, RCM **Wireless regulations:** FCC Part15 Subpart C/E, ISED RSS-Gen, ISED RSS-247, EN 300 328, EN 301 893, IMDA, SIRIM, SRRC, NTBC, SDPPI
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	
Compliancy	IPx2, IK06, Energy Star, Bluetooth MFi Certification

OPTIONAL ACCESSORIES

Lithium-ion Battery
14.4V, 1950 mAh
Smart battery: shows remaining battery %
and number of charging cycles

Battery Mount Kit
Required for battery operation
(Battery charger sold separately)

Cradle Kit
Easy battery charging
Hides and protects AC adapter
from dropping or submersion

Cutter Kit*
Supports labels and linerless labels
Supports cutting of adhesive
***Partial cutter kit** available -
Suitable for receipt printing