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CONNECT WITH US



Intelligent Printers



PW2NX

PW4NX



FX3-LX



DR3



TG3



PV3

PV4

Tag Printers

Mobile Printers

	PW2NX	PW4NX	FX3-LX	DR3	TG3	PV3	PV4
Print Method	DT	DT	DT	DT / TT	DT / TT	DT	DT
Resolution	203 dpi (8 dpm)	203 dpi (8 dpm)	305 dpi (12 dpm)	203 dpi (8 dpm)	203 / 305 dpi (8 / 12 dpm)	203 dpi (8 dpm)	203 dpi (8 dpm)
Memory	2GB Flash, 256MB SDRAM	8GB ROM, 1GB RAM	4GB Flash, 1GB SDRAM	8MB Flash, 16MB SDRAM	8MB Flash, 16MB SDRAM	256MB Flash, 128MB SDRAM	256MB Flash, 128MB SDRAM
Max Print Width	58 mm (2.28")	104 mm (4.1")	80 mm (3.15")	80 mm (3.15")	80 mm (3.15")	80 mm (3.15")	104 mm (4.09")
Max Print Length	160 mm (6.3")	1000mm (39")	500 mm (19.69")	181 mm (7.13")	240 mm (9.45")	400 mm (15.74")	400 mm (15.74")
Min Media Width	25.4 mm (1")	38 mm (1.49")	25 mm (0.98")	29 mm (1.14")	22 mm (0.87")	25 mm (0.98")	50 mm (1.96")
Max Media Width	60 mm (2.4")	114 mm (4.5")	105 mm (4.13")	77 mm (3.03")	80 mm (3.15")	66 mm (2.6")	112 mm (4.41")
Max Print Speed	152 mm/s (6 ips)	152mm/s (6" / sec)	152 mm/s (6 ips)	127 mm/sec (5 ips)	250 mm/sec (10 ips)	127 mm/sec (5 ips)	127 mm/sec (5 ips)
Max Ribbon Length	-	-	-	300 m (11811")	450 m (17716.5")	-	-
Interface	USB, Bluetooth®, WLAN, MFI, NFC	USB 2.0 High Speed type B mini connector, Bluetooth® Ver.5.0 BLE, NFC, 802.11a/b/g/n/ac Dual Band WLAN (2.4 GHz, 5 GHz Fast Roaming)	USB + LAN, NFC function	RS232 interface for Keypad connection; EXT I/O interface / Optional: enhanced series interfaces. TG3: USB / LAN / WLAN / RS232C	RS232 interface for Keypad connection; EXT I/O interface / Optional: enhanced series interfaces. TG3: USB / LAN / WLAN / RS232C	Bluetooth® Ver. 4.1 LE (and) WLAN IEEE 802.11 a/b/g/n	Bluetooth® Ver. 5.0, WLAN IEEE 802.11 a/b/g/n, USB 2.0 FS type C connector
Emulation	SBPL, SPOS, SCPL, SZPL, SDPL, SIPL, STPCL	SBPL, SZPL, SCPL, SIPL	SBPL, SZPL, SDPL, SIPL, STPCL, SEPL	SBPL	SBPL	SLCS, BPL-Z™, BPL-C™	SLCS, BPL-Z™, BPL-C™
Weight / Dimensions (W x D x H)	437.8 g / 0.96 lb (inc. battery) 95 x 128 x 68 mm 3.7" x 5" x 2.7"	1,440 g / 3.17 lb (inc. battery) 180 x 195 x 85 mm 7" x 7.67" x 3.35"	2.5 kg / 5.5 lb 132 x 225 x 161 mm 5.2" x 8.9" x 6.3"	8 kg / 17.6 lb 211 x 350 x 240 mm 8.3" x 13.8" x 9.4"	16.2 kg / 35.7 lb 284 x 552 x 300 mm 11.2" x 21.7" x 11.8"	694 g / 1.53 lb (inc. battery) 159 x 119 x 79 mm 6.3" x 4.7" x 3.1"	1,090 g / 2.40 lb (inc. battery) 297 x 228 x 91 mm 11.7" x 9" x 3.6"
Case Construction	Polycarbonate body with elastomer edge protection	Polycarbonate body with elastomer edge protection	Anti-microbial plastic	Plastic	Plastic	Polycarbonate body and rubber overmolding	Polycarbonate body and rubber overmolding
Options	Battery, Single battery charger, 1 Bay and 4 Bay Charging Cradles, AC Adaptor, Carrying Cases, Shoulder Strap, Vehicle charger	Battery, Single battery charger, 1 Bay and 4 Bay Charging Cradles, AC Adaptor, Carrying Cases, Shoulder Strap, Vehicle charger	Dispenser (Standard), Cutter, Linerless, Batteries, Charger, AC Adaptor, Real-Time Clock (Standard), Wall Mount Kit, Cleaning kit, Bluetooth / WiFi kit	Dispenser*, External Rewinder, Cutter (Standard for TG3), Stacker, Memory expansion*, Real-Time Clock, Keypad*, WiFi kit *DR3 only	Dispenser*, External Rewinder, Cutter (Standard for TG3), Stacker, Memory expansion*, Real-Time Clock, Keypad*, WiFi kit *DR3 only	Battery Single battery cradle Quad battery cradle Shoulder strap	Smart battery Single battery cradle Quad battery cradle Shoulder strap

RFID

DT = Direct Thermal / TT = Thermal Transfer

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Specifications are subject to change without notice. For more information, please contact your local SATO office, or visit satoeurope.com

SATO Markets

SATO produces a leading range of next generation and dependable printers for a wide variety of market sectors.

Recognised for performance reliability across the product line, SATO offers integrated solutions to ensure operational efficiency and customer peace of mind.



Healthcare



Transport & Logistics



Retail



Restaurants



Food Industry



Automotive



Manufacturing

SATO Innovations

AEP

Application Enabled Printing is an inbuilt intelligence that allows creating tailor-made labelling applications including PC-less printing, direct connection of peripherals such as keyboards, scanners and scales for data input.

Web AEP

With all the capabilities of AEP, Web AEP gives extra flexibility, as it is integrated seamlessly into existing cloud based applications. This intelligent solution is much more convenient for web developers. With Web AEP, developers can use common web technologies and code languages like JavaScript, HTML5 and CSS to create applications. Available only with FX3-LX and CT4-LX. With all the capabilities of AEP, Web AEP gives you extra flexibility wherever you need it most, making complex builds that much easier.

Asetra

SATO's RFID Asset Management System (ASETRA) is a one-stop solution for effective management of all types of assets including equipment, tools and Returnable Transport Items (RTIs) such as pallets, racks and more. With RFID asset tracking, users can ensure that critical tools are properly maintained to enhance worker safety, prevent misplacement or loss of high-value assets and more. This solutions only works with RFID printers or without a printer.

PDF Direct Print

PDF Direct Print offers a new more effective way of working. It is an integrated printer software that enables SATO printers to directly print PDF data generated in other systems, to ultimately reduce errors and the associated loss of time and resources, while improving operational productivity. Please note that it requires a dedicated Firmware.

SAS

SATO Application Storage delivers ground-breaking management of label printing applications to achieve higher productivity and ensure installation across the entire printer fleet.



Printer Range



Intelligent Printers

Print Engines

Industrial Printers

Desktop Printers



CL4NX PLUS

CL6NX PLUS

CT4-LX

S84-NX

S86-NX

Lt408

SG112 ex

HR2

WS2

WS4

CG2

CG4

Print Method	DT / TT		DT / TT		DT / TT		DT / TT		DT / TT		DT / TT		DT / TT		DT / TT									
Resolution	203 dpi (8 dpm)		203 dpi (8 dpm)		203 dpi (8 dpm)		203 / 305 / 609* dpi (609 for S84NX only) (8 / 12 / 24* dpm)		203 dpi (8 dpm)		305 dpi (12 dpm)		305 / 609 dpi (12 / 24 dpm)		305 dpi (12 dpm)		203 dpi (8 dpm)		203 / 305 dpi (8 / 12 dpm)					
Memory	2GB Flash, 256MB SDRAM		2GB Flash, 256MB SDRAM		4GB ROM, 1GB RAM		CPU1: 2GB ROM, 256MB RAM, CPU2: 4MB ROM, 64MB RAM		4MB Flash, 16MB SDRAM		40 MB Flash 64MB SDRAM		32MB, SDRAM: 16MB, SD card up to 2GB		16MB Flash, 32MB SDRAM		16MB Flash, 32MB SDRAM		4MB Flash, 8MB SDRAM					
Max Print Width	104 mm (4.1")		167.5 mm (6.5")		118 mm (4.65")		104 mm (4.1") 167.5 mm (6.59")		104 mm (4.1")		297 mm (11.7")		56mm - 2.2"		60 mm (2.36")		104 mm (4.09")		56 mm (2.2") 105 mm (4.13")					
Max Print Length	2500 mm (98.43")		2500 mm (98.43")		400 mm (15.7")		2500 mm (98.43")		1249 mm (49.2")		420 mm (16.5")		200 mm (7.9")		2540 (100")		996 mm (39.33")		600 mm (23.6") 300 mm (11.81")					
Min Media Width	22 mm (0.87")		47 mm (1.27")		22 mm (0.87")		13 mm (0.51") 54 mm (2.13")		10 mm (0.39")		128 mm (5.04")		10 mm (0.4")		12 mm (0.47")		25.4 mm (1")		12 mm (0.47") 22 mm (0.87")					
Max Media Width	104 mm (4.09")		218 mm (8.6")		115 mm (4.53")		131 mm (5.16") 180 mm (7.09")		112 mm (4.41")		297 mm (11.7")		61 mm (2.4")		127 mm (5.0") OD		127 mm (5.0") OD		59 mm (2.32") 107 mm (4.21")					
Max Print Speed	355 mm (14 ips)		254 mm (10 ips)		203 mm/s (8 ips)		356mm/s - 14 inch per second (203dpi) 14ips (203 dpi) 12 ips (305 dpi)		150 mm/sec (6 ips)		150 mm/sec (3, 4, 5, 6 ips)		100mm/sec (4 ips)		127 mm/s (5 ips)		152 mm/s (6 ips)		100 mm/sec (4 ips)					
Max Ribbon Length	600m (23622")		600m (23622")		111m (4370.08")		600m (23622")		111m (4370.08")		273m (10748")		150m (5905.5")		-		110m (4330.71")		110m (4330.71")					
Interface	USB type B, USB type A (2 port), NFC, RS232C, IEEE1284, LAN, Bluetooth 3.0 / Option: WLAN EXT I/O 14 pin cable		USB type B, USB type A (2 port), NFC, RS232C, IEEE1284, LAN, Bluetooth 3.0 / Option: WLAN EXT I/O 14 pin cable		USB 2.0 High Speed (Type A x 2 / B x 1), LAN (10BASE-T / 100BASE-TX / 1000BASE-T), NFC Optional: RS-232C, WLAN (WiFi certified, IEEE802.11a/b/g/n/ac) and Bluetooth Ver 4.1		USB, RS232C, LAN, EXT I/O Options: WLAN EXT I/O 14 pin cable		RS232C, IEEE1284, USB, Mini LAN I/F Board, WLAN, RS422/485, Centronics Ext. connector 14 pin centro I/O		IEEE1284, RS232C, USB (Type A & B), EXT, SD Card Slot, LAN, WiFi		LAN USB RS232 EXT		USB + LAN		USB + LAN, USB + RS232C + WLAN		USB + RS 232C model, USB + LAN / Optional: WiFi		USB + RS 232C, USB + LAN, USB - IEEE1284			
Emulation	Auto detect - SBPL, SZPL, SDPL, SIPL, STCL, SEPL		Auto detect - SBPL, SZPL, SDPL, SIPL, STCL, SEPL		SBPL, SZPL, SDPL, SIPL, STCL and SEPL		SZPL, SDPL, SIPL		SZPL, SDPL, SIPL		SBPL		-		SBPL (Standard) SATO Barcode Printer Language.		SZPL, SEPL, SDPL		SBPL, SZPL, SEPL, SDPL, SIPL		SBPL (Standard) Option: SZPL, SEPL		SBPL (Standard) Option: SZPL, SDPL, SEPL, STCL	
Weight / Dimensions (W x D x H)	15 kg / 33.06 lb 271 x 457 x 321 mm 10.7" W x 17.9" L x 12.6" H		20 kg / 44.09 lb 338 x 457 x 321 mm 13.31" W x 17.99" L x 12.64" H		3.4 kg / 7.49 lb 178 x 238 x 214 mm 7" x 9.4" x 8.4"		Thermal Transfer Model: 14.1kg (31 lb) Direct Thermal Model: 12.7 kg (28 lb)		Thermal Transfer Model 15.5 kg (34.1 lb) Direct Thermal Model: 14kg (30.8 lb)		9.7 kg / 21.3 lb 330 x 271 x 270 mm 13" x 10.6 x 10.6		6"		16.4kg / 36.1 lb 97 x 365 x 285mm 7.8" x 14.41" x 11.2		1 kg / 2.2 lb 116 x 215 x 170 mm 4.6" x 8.5" x 6.7"		2.48 Kg / 5.4 lb 220.6 x 278.5 x 187.5 mm 8.7" x 11" x 7.4"		1.5 kg / 3.3 lb 128 x 235 x 173 mm 5" x 9.3" x 6.8"		1.7 kg / 3.7 lb 179 x 238 x 173 mm 7" x 9.4" x 6.8"	
Case Construction	Metal, Aluminium Die-cast		Metal, Aluminium Die-cast		Plastic		Metal		Metal		Metal		Metal		Anti-microbial plastic		Rugged plastic		Plastic (anti-microbial coating)		Plastic			
Options	Dispenser, Internal and External Rewinder, Rotary cutter, Guillotine Cutter, Linerless kit, Real-Time Clock, WiFi kit, Barcode Checker kit		Dispenser, Internal and External Rewinder, Rotary cutter, Guillotine Cutter, Linerless kit, Real-Time Clock, WiFi kit, Barcode Checker kit		Cutter, Linerless Cutter, Dispenser Kit, RS-232C Kit, Real-Time Clock, WLAN, Bluetooth Kit, RFID UHF & HF		WLAN Kit.		Real-Time Clock, WLAN kit		RTC (Calendar) kit Simple stacker (ST-10PLUS), External feed module (UW-10PLUS)		SD Card, NiceLabel		Dispenser, Cutter, Cleaning kit, WiFi kit		Dispenser, External Rewinder, Cutter, Real-Time Clock, WiFi kit, Bluetooth kit		Dispenser, External Rewinder, Cutter, Stacker*, Unwinder, Keypad, Real-Time Clock**, Bluetooth** (external via serial port) (*CG2 only) (**CG4 only)					
RFID	UHF HF		UHF		UHF HF		UHF		-		-		-		-		-		-		-			

DT = Direct Thermal / TT = Thermal Transfer