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CL4NX Plus

Best-in-class 4”
Thermal Industrial Printer

satoeurope.com

CL4NX Plus Technical Specifications

PRINTING SPECIFICATION					
Printing Method			Direct Thermal / Thermal Transfer		
Print Mode			Continuous, Tear-off, Cutter, Dispenser, Linerless		
Print Resolution			8 dots/mm (203 dpi)	12 dots/mm (305 dpi)	24 dots/mm (609 dpi)
Max. Print Speed			14 ips (355 mm/sec)	14 ips (355 mm/sec)	6 ips (152 mm/sec)
Max. Print Area	Width, mm (inch)		104mm (4.09")		
	Length, mm (inch)		2500mm (98.42")	1500mm (59.05")	400mm (15.75")
Processor			Dual CPU & Dual OS: CPU1: 800MHz for Linux OS, CPU2: 800MHz for ITRON OS		
Printer Memory			CPU1: 2GB ROM, 256MB RAM, CPU2: 4MB ROM, 64MB 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		
Media Thickness			0.060 - 0.268mm (0.0024" - 0.011")		
Label Shape	Diameter		Maximum 265mm (10.43"), Core diameter: Ø76mm (3.0"), Ø101mm (4.0")		
	Wind Direction		Face In / Face Out. No Setting Change Required		
Label Size (Without Liner)	Continuous	Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")
		Length	6 - 2497mm (0.24" - 98.30")	6 - 1497mm (0.24" - 58.94")	6 - 397mm (0.24" - 15.63")
	Tear-off/ Cutter	Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")
		Length	17 - 2497mm (0.67" - 98.30")	17 - 1497mm (0.67" - 58.94")	17 - 397mm (0.67" - 15.63")
	Dispenser	Width	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")	22 - 128mm (0.87" - 5.04")
		Length	10 - 397mm (0.39" - 15.63")*1	10 - 397mm (0.39" - 15.63")*1	10 - 397mm (0.39" - 15.63")*1
	Linerless	Width	60 - 118mm (2.36" - 4.65")	60 - 118mm (2.36" - 4.65")	60 - 118mm (2.36" - 4.65")
		Length	30 - 120mm (1.18" - 4.72")	30 - 120mm (1.18" - 4.72")	30 - 120mm (1.18" - 4.72")
Ribbon	Size		Max. Length: 600m (1968.5'). 450m (1476.4') when ribbon width is 39.5mm (1.55") Max. Roll Diameter: 90mm (3.5"), Ribbon width: 39.5mm (1.55") to 128mm (5.04")		
	Other		Core diameter: Ø25.4mm (1"), Wind direction : Face In/ Face Out, No Setting Change Required		
FONTS / SYMBOLOGIES					
Internal Fonts	Standard Bitmap		U, S, M, WB, WL, XS, XU, XM, XB, XL, X20, X21, X22, X23, X24, OCR-A, OCR-B		
	Scalable Fonts		30 SATO Fonts, 2 Outline Fonts		
	Encoding		Majour Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (Korean), BIG5 (traditional), JIS, SHIFT-JIS, UTF-8 and UTF-16BE also supported		
Barcode	Linear		UPC-A/UPC-E, JAN/EAN-13/8, CODE39, CODE93, CODE128, GS1-128(UCC/EAN128), CODABAR(NW-7), ITF, Industrial 2 of 5, Matrix 2 of 5, MSI, 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		QR Code, Micro QR Code, PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200), Aztec Code, GS1QR Code and Composite Symbologies		
Print Direction			Character data rotation: 0°, 90°, 180°, 270°		
User Downloadable Fonts, Graphics or Formats			Maximum 100MB		
INTERFACE CHARACTERISTICS AND INTEGRATION					
Standard Interfaces			USB 2.0 (Type A & B), Ethernet (IPv4/v6), RS232C, IEEE1284, EXT, Bluetooth Ver. 3.0*2, NFC		
Optional Interface			Wireless LAN, WiFi Certified, WiFi Direct, IEEE 802.11 a/b/g/n Dual Band (2.4GHz, 5GHz)		
Remote Access			SNMP Ver.3, HTTPs		
Supported printer protocols			Standard: SBPL (SATO Barcode Printer Language) Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL		
OPERATING CHARACTERISTICS					
Power Requirements			AC100V ~ AC240V±10%, 50/60 Hz, Auto-ranging Power Supply		
Environment	Operating		0 - 40°C / 30 - 80% RH (without condensation)		
	Operating Linerless		5 - 35°C / 30 - 75% RH (without condensation)		
	Storage		-20 - 60°C / 30 - 90% RH (without condensation)		
Dimensions			271mm (10.67") × 457mm (18.00") × 321mm (12.64")		
Weight			15.1kg (33.28 lbs)		
Display Panel			TFT Full Color LCD, 3.5"(320 x 240 RGB)		
MISCELLANEOUS					
Standards & Agency Approvals			Please contact your nearest SATO sales representative regarding agency approvals for your region		
Functions – Useful features			Micro Label Printing, SATO Application Enabled Printing, SATO Online Services, 18 User Guidance Videos on LCD, Space for Customized Videos, Multi Language Support LCD Message (31 Languages), Energy Saving, Large Status LED, Multiple Interfaces-Auto-Switching, USB Memory for Data Copy, Status Return, Alarm Sound		
Functions – Self Diagnosis Checking			Thermal head check, Paper end detection, Ribbon end detection, Test print, Head lift detection		
OPTIONS					
Accessories			Cutter, Linerless Cutter, Dispenser with Internal Liner Rewinder, Real-Time Clock, Wireless LAN, Barcode Checker Stand, External Rewinder, External Cover, RFID, Rotary Cutter		

*1 Length of 10 to 27mm is only available for Thermal Transfer mode
*2 Please contact your nearest SATO sales representative for availability

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