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Expectations

TMS
Dinh Thien TMS Co., Ltd



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	104 mm (4.09")			
	Length	2500 mm (98.42")	1500 mm (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			Fan-fold or roll die-cut labels, plain paper, synthetic paper or continuous paper		
Media Thickness			0.060 - 0.268 mm (0.0024" - 0.011")		
Label Shape	Diameter	Max. 265mm (10.43"), Chuck diameter: Ø76mm (3.0"), Ø101mm (4.0")			
	Wind Direction	Face In / Face Out. No Setting Change Required			
Label Size (Without Liner)	Continuous	Length	6 - 2497mm (0.24" - 98.30")	6 - 1497 mm (0.24" - 58.94")	6 - 397 mm (0.24" - 15.63")
		Width	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")
	Tear-off/ Cutter	Length	17 - 2497mm (0.67" - 98.30")	17 - 1497 mm (0.67" - 58.94")	17 - 397 mm (0.67" - 15.63")
		Width	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")
	Dispenser	Length	10 - 397mm (0.39" - 15.63") ¹⁾	10 - 397 mm (0.39" - 15.63") ¹⁾	10 - 397 mm (0.39" - 15.63") ¹⁾
		Width	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")	22 - 128 mm (0.87" - 5.04")
	Linerless	Length	30 - 120 mm (1.18" - 4.72")	30 - 120 mm (1.18" - 4.72")	30 - 120 mm (1.18" - 4.72")
		Width	60 - 118 mm (2.36" - 4.65")	60 - 118 mm (2.36" - 4.65")	60 - 118 mm (2.36" - 4.65")
Ribbon	Size	Max. Length: 600 m (1968.5'). 450 m (1476.4') when ribbon width is 39.5 mm (1.55") Max. Roll Diameter: 90 mm (3.5"), Ribbon width: 39.5 mm (1.55") to 128 mm (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, Unicode 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					
Interfaces and protocols			USB 2.0 (Type A & B), RS232C, IEEE1284, EXT, NFC, Ethernet (IPv4/v6) supporting:TCP/IP, LPR, FTP, SNMPv3, NTP, HTTP, DHCPv4, Stateless Auto Configuration, Stateful Auto Configuration (DHCPv6)		
Optional Interface			Wireless LAN, WiFi Certified, WiFi Direct, IEEE 802.11 a/b/g/n/ac Dual Band (2.4GHz, 5GHz), Security: WEP, WPA, WPA2, Dynamic WEP, DHCP Option 81. Bluetooth Ver. 3.0		
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			271 mm (10.67") × 457 mm (18.00") × 321 mm (12.64")		
Weight			15.1kg (33.28 lbs)		
Display Panel			TFT Full Color LCD, 3.5"(320 x 240 RGB)		
MISCELLANEOUS					
Standards & Agency Approvals			Printers are globally certified		
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, PDF Direct Printing, SFPL, 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 (AC), Barcode Checker, External Rewinder, External Cover, RFID UHF & HF, Rotary Cutter		

