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Further Beyond Expectations



CL6NX Plus

A pioneering 6”
Thermal Industrial Printer

satoeurope.com

CL6NX Plus Technical Specifications

PRINTING SPECIFICATION			
Printing Method		Direct Thermal / Thermal Transfer	
Print Mode		Standard: Continuous, Tear-off	
Print Resolution		8 dots/mm (203 dpi)	12 dots/mm (305 dpi)
Max. Print Speed		203 dpi: 2-10 ips, (Default 6 ips)	305 dpi: 2-8 ips, (Default 6 ips)
Max. Print Area	Width	167.5mm (6.5")	
	Length	203 dpi: 2500mm (98.42")	305 dpi: 1500mm (59.05")
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		to 268 (0.060 to 0.268 mm) (0.002" to 0.01")	
Label Shape	Roll Diameter	Maximum 220mm (8.6") Core diameter: Ø76mm (3.0"), Ø101mm (4.0") Optional 254mm (10") setting	
	Wind Direction	Face In / Face Out. No Setting Change Required	
Label Size (Without Liner)	Continuous	6 - 2497mm (9 - 2500mm including mount) (203dpi) 0.24" - 98.30" (0.35" - 98.42" including mount)	6 - 1497mm (9 - 1500mm including mount) (305dpi) 0.24" - 58.94" (0.35" - 59.05" including mount)
		47 - 177mm (50 - 180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount)	47 - 177mm (50 - 180mm including mount) 1.85" - 6.97" (1.97" - 7.97" including mount)
	Tear-off/ Cutter	17 - 2497mm (20 - 2500mm including mount) (203dpi) 0.67" - 98.30" (0.79" - 98.42" including mount)	17 - 1497mm (20 - 1500mm including mount) (305dpi) 0.67" - 58.94" (0.79" - 59.05" including mount)
		47 - 177mm (50 - 180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount)	10 - 397mm (13 - 400mm including mount) (305dpi) 0.39" - 15.63" (0.51" - 15.75" including mount)
	Dispenser	10 - 397mm (13 - 400mm including mount) (203dpi) 0.39" - 15.63" (0.51" - 15.75" including mount)	10 - 397mm (13 - 400mm including mount) (305dpi) 0.39" - 15.63" (0.51" - 15.75" including mount)
		47 - 177mm (50 - 180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount)	47 -177mm (50 -180mm including mount) 1.85" - 6.97" (1.97" - 7.08" including mount)
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 177mm (6.97")	
	Other	Direction: Front / Back, Wind method: Tubeless	
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 TTF Fonts, 2 Outline Fonts	
	Encoding	Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (korean), BIG5 (traditional) JIS, SHIFT-JIS. Unicode: UTF-8 and UTF16BE 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), 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	
	Storage	-20 - 60°C / 30 - 90% RH (without condensation)	
Dimensions		Width 338mm × Depth 457mm × Height 321mm (not including projections) (13.30" x 17.99" x 12.64")	
Weight		20.3kg (44.75 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, SOTI Connect, Direct PDF printing, 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 Clone & Copy, Status Return, Alarm Sound	
Functions – Self Diagnosis Checking		Thermal head check, Paper end detection, Ribbon end detection, Test print, Head lift detection	

Bluetooth WiFi CERTIFIED RoHS COMPLIANT

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