



CL4/6-SXR

SETTING THE STANDARD



SATO's fastest ever

18 ips* 457.2 mm/sec

* With CL4-SXR, 8-dot/mm printhead

A redesigned printing mechanism encapsulating SATO's 40-plus years of know-how gives the printer the high-speed performance required for high-volume industrial labeling operations.

Large customizable display

4.3 in display

A large 4.3-inch resistive touchscreen provides clear visibility and intuitive control, even with gloves on.

Print accuracy ±0.3 mm*

SATO's very own label feed technology ensures superior print accuracy in high-precision print mode. The new GAP2 sensor complements the existing sensor to enhance accuracy even in regular print mode.

*Based on tests using select labels under specific conditions. Actual results may vary depending on the user's environment and label material selected.



Active environment sensors

Active environmental sensors for temperature, humidity, and more. Combined with the predictive maintenance, deliver peak performance and anticipate maintenance needs.



From prevention to prediction

Turn maintenance into a proactive process. AI analyzes operating data to detect early signs of trouble and alerts you before errors occur, helping you reduce downtime.

AI



Remote access and WiFi 6

Enterprise level network management and security provides peace of mind, and any networked CL-SXR can be managed and operated remotely via SATO's Remote Desktop feature. Optional WiFi 6 allows integration into advanced networks.



Technical Specifications

		CL4-SXR			CL6-SXR
PRINTING SPECIFICATION					
Printing method		Direct thermal, thermal transfer			
Print mode		Continuous, tear-off, cutter, dispenser, linerless			Continuous, tear-off, cutter, dispenser
Model name		CL4-SXR TT203	CL4-SXR TT305	CL4-SXR TT609	CL6-SXR TT203 CL6-SXR TT305
Print resolution		8dots/mm (203dpi)	12dots/mm (305dpi)	24dots/mm (609dpi)	8dots/mm (203dpi) 12dots/mm (305dpi)
Max. print Speed		18 ips	16 ips	6 ips	14 ips 14 ips
Print area	Width	Max. 104 mm (4.09")			Standard: Max. 152 mm (5.98") Extension: Max. 167.5 mm (6.60")
	Length	2,500 mm (98.42")	1,500 mm (59.05")	400 mm (15.75")	Standard: Max. 165.33 mm (6.51") Extension: Max. 167.5 mm (6.60") 1,500 mm (59.05")
CONSUMABLES SPECIFICATION					
Label size (Without liner)	Continuous	Width	22-128 mm (0.87"-5.04")		47-177 mm (1.85"-6.97")
		Length	6-2497 mm (0.24"-98.30")	6-1497 mm (0.24"-58.94")	6-397 mm (0.24"-15.63")
	Tear-off/Cutter	Width	22-128 mm (0.87"-5.04")		47-177 mm (1.85"-6.97")
		Length	17-2497 mm (0.67"-98.30")	17-1497 mm (0.67"-58.94")	17-397 mm (0.67"-15.63")
	Dispenser	Width	22-128 mm (0.87"-5.04")		47-177 mm (1.85"-6.97")
		Length	10-397 mm (0.39"-15.63") *1		
	Linerless	Width	60-118 mm (2.36"-4.65")		
		Length	30-120 mm (1.18"-4.72")		
Label shape	Diameter	Max. 220 mm (8.7") Core diameter: 76 mm (3.0"), 101 mm (4.0")			
	Wind direction	Face In/Face Out. No setting change required			
Ribbon	Size	Max. Length: 600m (1968.5'), 450m (1476.4') when ribbon width is 39.5 mm (1.55") Ribbon width: 39.5 mm (1.55") to 128 mm (5.04")		Max. Length: 600m (1968.5') Ribbon width: 59 mm (2.32") to 177 mm (6.97")	
	Other	Core diameter: 25.4 mm (1.0"), wind direction: Face In/Face Out, no setting change required			
FONT/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	15 scalable SATO fonts, multi-national language support (47 languages/unicode), single and double byte fonts (Korean, Chinese, Japanese)			
	Encoding	Major Latin and Pan-European Code Pages (WGL4), GB18030 (simplified), KSX1001 (Korean), BIG5 (traditional), JIS, SHIFT-JIS, UTF-8 and UTF-16BE also supported			
Barcode	Liner	UPC-A, UPC-E, JAN/EAN, CODE39, CODE93, CODE128, GS1-128 (UCC/EAN128), CODABAR (NW-7), ITF, Industrial 2of5, Matrix 2of5, MSI, POSTNET, UPC add-on code, BOOKLAND, USPS code, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked			
	2D symbologies	QR code, Micro QR code, rMQR, PDF417, Micro PDF, MAXI code, GS1 Data Matrix, Data Matrix (ECC200), Aztec code, GS1QE code and Composite Symbologies			
Print direction		Character data rotation: 0°, 90°, 180°, 270°			
CONNECTIVITY INTERFACES AND SUPPORTED PROTOCOLS					
Standard interfaces		Ethernet: 10BASE-T/100BASE-TX/1000BASE-T(IPv4/IPv6), USB2.0 (Type A & B), NFC, RS232C, EXT			
Optional interface		Wireless LAN, 802.11a/b/g/n/ac/ax Dual Band WLAN (2.4GHz, 5GHz, 6GHz) Bluetooth®: Bluetooth Ver.5.2			
OPERATING REQUIREMENTS					
Power requirements		AC100V-240V±10%, 50/60Hz, Auto-ranging Power Supply			
Environment	Operating	Continuous/tear-off/cutter: 0-40°C/20-85%RH (without condensation) Dispenser: 5-35°C/30-80% RH (without condensation)			
	Operating linerless	5-35°C/30-75% RH (without condensation)			
	Storage	-40-60°C/5-90%RH (without condensation)			
PHYSICAL SPECIFICATIONS					
Dimensions		W275 mm x D457 mm x H321 mm		W338 mm x D457 mm x H321 mm	
Weight		15.5kg		19.3kg	
OPTIONS					
CL4-SXR		Cutter, linerless cutter, dispenser with internal liner rewinder, wireless LAN, Bluetooth, external rewinder, external cover, UHF RFID kit, HF RFID kit			
CL6-SXR		Cutter, dispenser with internal liner rewinder, wireless LAN, Bluetooth, external rewinder, external cover, UHF RFID kit			

*1 Length of 10 to 27 mm is only available for Thermal Transfer mode.



SATO AMERICA CORPORATE
14125 South Bridge Circle
Charlotte, NC 28273
Phone: (704) 644-1650
sales-sal@sato-global.com
www.satoamerica.com

LABEL MANUFACTURING, SERVICE & SALES
UNITED STATES MEXICO CENTRAL AMERICA
CANADA CARIBBEAN

All information in this leaflet is accurate as of December 2025.
Product specifications are subject to change without notice.
Any unauthorized reproduction of the contents of this leaflet, in part or whole, is strictly prohibited.
Windows is a registered trademark of Microsoft Corporation
Wi-Fi Direct®, Wi-Fi CERTIFIED logo are registered trademark of Wi-Fi Alliance.
Bluetooth®, Bluetooth logo are a trademark of Bluetooth SIG, Inc.
QR Code and rMQR Code are registered trademarks of DENSO WAVE INCORPORATED.
The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.
All other software, product or company names are trademarks or registered trademarks of their respective owners.