reddot winner 2026

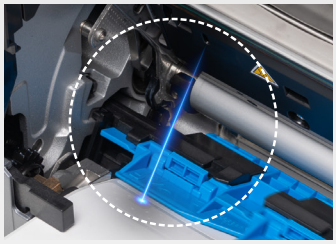
Empowering The Future Workplace



CL4-SXR / CL6-SXR

Enhanced printing to accelerate productivity

- Industry-leading maximum print speed: **18 ips**
- **High precision printing +/- 0.3 mm～ (based on internal testing)**
- Custom-designed thermal head for exceptional quality printing



New sensors for enhanced print accuracy and stability



High-quality printing even on nameplate labels

Innovation for more uptime

- From preventive to AI-based predictive maintenance



Smart prediction of issues that responds to actual usage and conditions

Easy for anyone to use

- Equipped with touchscreen and speaker for intuitive operation
- Designed for to be easily cleaned and for easy parts replacement

Touchscreen
Speaker
Customizable
Video playback



4.3-inch color LCD



Wide-opening print unit

Contributes to the realization of a sustainable society

- Print from the very 1st label with label waste prevention function
- Approx. 34% of plastic parts made from recycled resin (by weight)



Reduce waste and time with label waste prevention function

			CL4-SXR			CL6-SXR	
Printing Specifications	Model name		CL4-SXR TT203	CL4-SXR TT305	CL4-SXR TT609	CL6-SXR TT203	CL6-SXR TT305
	Print resolution		8 dots/mm (203 dpi)	12 dots/mm (305 dpi)	24 dots/mm (609 dpi)	8 dots/mm (203 dpi)	12 dots/mm (305 dpi)
	Print mode		Continuous, tear-off, cutter, dispenser, linerless cutter, rotary cutter			Continuous, tear-off, cutter, dispenser	
	Printing method		Direct thermal, thermal transfer				
	Print speed		2–18 ips	2–16 ips	2–6 ips	2–14 ips	2–14 ips
	Max. print	Width	104 mm (4.09")	104 mm (4.09")	104 mm (4.09")	Extension: 167.5mm(6.60") Standard: 152mm (5.98")	Extension: 167.5mm(6.60") Standard: 165.3mm (6.51")
		Length	2500 mm (98.42")	1500 mm (59.05")	400 mm (15.75")	Extension: 2500mm (98.42") Standard: 2500mm(98.42")	Extension: 1500mm (59.05") Standard: 1500mm(59.05")
	Printer Memory		Flash 8GB / RAM 2GB				
	Processor		ARM Cortex-A53 Quad Core				
Consumable Specifications	Sensor Type		I-mark Sensor (Reflective), Label Gap Sensor (Transmissive), Label Gap Sensor 2 (Transmissive), Label Waste Prevention sensor. Media Low sensor				
	Media Type		Roll or fan-fold die cut labels, Plain paper face stock, Synthetics and Continuous stock				
	Label length (*1)	Continuous	6–2497 mm (0.24"–98.30")	6–1497 mm (0.24"–58.94")	6–397 mm (0.24"–15.63")	6–2497 mm (0.24"–98.30")	6–1497 mm (0.24"–58.94")
		Tear-off/ cutter	17–2497 mm (0.67"–98.30")	17–1497 mm (0.67"–58.94")	17–397 mm (0.67"–15.63")	17–2497 mm (0.67"–98.30")	17–1497 mm (0.67"–58.94")
		Dispenser	Direct thermal: 10–397 mm (0.39"–15.63"), thermal transfer: 28 mm–397 mm (1.10"–15.63")			47–177 mm (1.85"–6.97")	
		Linerless cutter	30–120 mm (1.18"–4.72")		-		
			30–120 mm (1.18"–4.72")				
	Label width (*1)		22–128 mm (0.87"–5.04")		47–177 mm (1.85"–6.97")		
	Label width (Linerless cutter)		60–118 mm		-		
	Media thickness		60–268 µm (0.06–0.28 mm)				
	Label	Roll diameter	Max. 220 mm (8.7")				
		Core diameter	76 mm (3.0"), 101 mm (4.0")				
		Other	Face-in/face-out (No setting change required)				
	Ribbons	Width	39.5 mm (1.55") –128 mm (5.04")		59 mm (2.32") –177 mm (6.97")		
		Max. length	600 m (1968.5')				
		Other	Core diameter: 25.4 mm (1.0"), wind direction: face-in/face-out (No setting change required). Ribon Low & ribbon End Sensor.				
Operating characteristics	Dimensions		W275 mm, D457 mm, H321 mm (Box: W370 mm x D600 mm x H430 mm)		W338 mm, D457 mm, H321 mm (Box: W460 mm, D640 mm, H450 mm)		
	Weight		15.5 kg (excludes media, ribbon, and options)		19.4 kg (excludes media, ribbon, and options)		
	Enviroment	Driver	Windows OS: 11 / Server2025 / Server2022 / Server2019 / Server2016 | MAC, Linux OS: CUPS drivers				
		Operating	Continuous/tear-off/cutter: 0-40°C/20-85% RH (without condensation) Dispenser: 5-35°C/30-80% RH (without condensation) Linerless cutter: 5-35°C/30-75% RH (without condensation)				
		Storage	-20-60°C/5-90% RH (without condensation)				
	Power requirements		AC100V-240V±10%, 50/60Hz, Auto-ranging power supply				
	Touch Panel		TFT Color LCD, 4.3 Inches, 480 x 272 dots (RGB)				
Interface characteristics	USB		USB 2.0: Type A (1 front + 1 rear) & Type B (1 rear)				
	Ethernet		10BASE-T/100BASE-TX/1000BASE-T (IPv4/IPv6, SNMPv3 MIB-II, FTP, FTPS, NTP, LPR, DHCPv4-DHCPv6, HTTP/HTTPS, SCP, mDNS), DHCP Option 81, Option 12, Option 77.				
	Serial port		RS-232C 2400–115200 (D-sub 9pin)				
	External IO port		EXT port (D-sub 15pin)				
	Remote Access		SNMP Ver.3, HTTPs, SOS, WebConfig, SOTI Connect.				
	Supported Printer Protocols		Standard: SBPL (SATO Barcode Printer Language) Emulation Language: Auto detect - SZPL, SDPL, SIPL, STCL, SEPL, SMGL, SPGL, SFPL				
	Dual Radio	Wireless LAN & Bluetooth® (*2)	IEEE802.11a/b/g/n/ac/ax, Tri-Band WLAN (2.4GHz, 5GHz, 6GHz), Wi-Fi Direct, WPS, Security WEP, WPA/WPA2/WPA3,DHCP Option 81, Option 12, Option 77				
			Bluetooth Ver.5.2 + BR/ EDR/BLE				
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: 15 SATO fonts, multi-national language support (47 languages / Unicode), single and double byte fonts (Korean, Chinese, Japanese)				
	Linear barcodes		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, GS1QR code and composite symbologies				
	Functions-Useful features		User guidance videos on LCD, error guidance on LCD, multi language support LCD message (31 languages), LCD screen layout customization, thermal head check, label waste prevention function, high precision printing mode, print preview function, remote desktop function, speaker, start on AC, notification function, calender, password lock, logo/font data download function, barcode checker, AEP (Application Enabled Printing)				
	Self Diagnosis Checking		Thermal head check, Paper end detection, Paper near-end detection, Ribbon end detection, Ribbon Near-end detection, Test print, Head lift detection, Label Waste prevention sensor.				
Options	CL4-SXR: 4		For printing: cutter kit [4,6], rotary cutter kit [4], dispenser kit (with internal rewinder) [4,6], linerless cutter kit [4], UHF RFID kit [4,6], HF RFID kit [4] Others: External rewinder RWG500 [4,6], barcode checker mount kit [4], external cover kit [4,6], Wireless LAN and Bluetooth kit [4,6], EXT conversion cable [4,6], Label Holder Kit [4]				
	CL4-SXR: 6						

*1 Without liner | *2 Please contact your nearest SATO sales representative for availability | *3 Only CL4-SXR is Wi-Fi certified

(*3)

www.sato-global.com

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