SATO CL6-SXR

The 6" industrial printer that warns you before it fails.

SATO helps customers turn every label into confidence: confidence in uptime, accuracy, compliance, sustainability and the smooth flow of operations.



DOWNTIME SAVING
€50K/h
potential avoided risk

AI PREDICTION
7–21 days
thermal head warning

START-UP
No waste
first-label efficiency

PRINT PRECISION
0.3 mm
compliance-ready output

SUSTAINABILITY
~36%
recycled resin

TEMP. & HUMIDITY
Sensor
environment aware reliability

COMPETITIVE SET

Common comparison models:

- **Zebra:** ZT421 · ZT510 · ZT621
- **Honeywell:** PM65
- **TSC:** MH261T
- **Toshiba:** BX620T · BX610T

WHY CL-SXR WINS

AI predictive maintenance
7–21 day thermal head alerts keep 24/7 operations running without unplanned stops.

Temp. & Humidity Sensor
Environment-aware print control keeps output stable in cold or demanding conditions.

Anti-Wrinkle Readability
Ribbon plate ensures crisp barcodes, QR codes and text; every label, every time.

Sustainable Start-Up
34–36% recycled components, zero first-waste label and plastic-free packaging.

Print Preview Intelligence
Validate layout and catch data errors before printing — fewer reprints, less waste.

IoT Enterprise Ready
Cloud connectivity, 4.3-inch display and full enterprise system integration out of the box.

THE BUSINESS CASE

Keep Production Moving
Fewer unplanned interruptions and stronger operational continuity.

Protect Accuracy and Compliance
Fewer unreadable labels and stronger confidence in traceability.

Simplify Deployment at Scale
Faster adoption and lower admin workload across sites.

Reduce Waste and Cost
Less consumables waste, lower operating cost and a stronger ESG contribution.

More than a printer.
A platform for intelligent traceability.
Predictive · Connected · Sustainable · Intelligent · Future-Ready

Watch video

		SATO CL6-SXR	ZEBRA ZT421	ZEBRA ZT621	HONEYWELL PM65	TSC MH261T	Toshiba BX620T	Toshiba BX610T
Resolution		203,305 dpi / 6"	203,300 dpi/ 6"	203,300 dpi/ 6"	203,300 dpi/ 6"	203,300 dpi/ 6"	203,305 dpi / 6"	203,305 dpi / 6"
List Price (Pricing based on 203 dpi models)		tbc	3,806.85 €	3,970.42 €	3,082.28 €	2,841.00 €	3,130.00 €	3,590.00 €
Max Print Speed		14 IPS	12 IPS	12 IPS	12 IPS	12 IPS	12 IPS	12 IPS
Durability and Reliability		Aluminum die cast	Bent metal spot welded	Bent metal spot welded	Rugged all metal	Die-cast print mechanism	Robust and durable with a sturdy metal housing	Robust and durable with a sturdy metal housing
On-board Help Videos		Yes	No - QR scan	No - QR scan	No - QR scan	No	No	No
Temperature Range (thermal transfer)		0 - 40° C	5 - 40° C	5 - 40° C	5 - 40° C	0 - 40° C	5 - 40° C	5 - 40° C
Smart Print Head		Yes	No	No	No	No	No	No
Head Opening		60° Opening	10-15° Opening	10-15° Opening	10-15° Opening	—	—	—
Micro Label Print Mode		Yes	No	Separate model	No	No	No	No
User Interface		4.3" color touch screen	4.3" color touch screen	4.3" color touch screen	3.5" color touch screen	4.3" color touch screen	4.3" color non-touch LCD	4.3" color non-touch LCD
Print preview		Yes	No	No	No	No	No	No
Label Waste Prevention		Yes	No	No	No	No	No	No
AI based predictive maintenance		Yes	No	No	No	No	No	No
Media Specification	Ribbon Length	600 m	450 m	450 m	450 m	450 m	600 m	800 m
	Media Max OD	220 mm	203 mm	203 mm	213 mm	203 mm	200 mm	200 mm
Emulations		SBPL, DPL, IPL, TPCL, XML, ZPL, MPCL, PGL, Fingerprint	ZPL, ZPL II, EPL, XML, DPL, IPL, MPCL, SBPL	ZPL, ZPL II, EPL, XML, DPL, IPL, MPCL, SBPL	C# smart printing, DPL, Direct Protocol, Fingerprint, IPL, ZPL II	EPL, ZPL, ZPL II, DPL	ZPL II, DPL, SBPL, IPL	ZPL II, DPL, SBPL, IPL
RFID Module	UHF RFID Module	Yes	Yes	Yes	Yes	No	No	No
	HF RFID Module	No	No	No	No	No	No	Yes
Connectivity	USB-A (external Device)	O	O	O	O	O	O	O
	USB-A (external Device)	S (2)	S (2)	S (2)	S (2)	S (2)	S	S
	USB-B	S	S	S	S	S	S	S
	RS232 Serial	S	S	S	S	S	S	S
	Parallel	—	O	O	O	O (GPIO + Parallel)	—	—
	Ethernet	S	S	S	S	S	S	S
	NFC	S	S	S	—	—	—	—
	Bluetooth	O	S	S	—	O	O	—
Printer Dimensions	Width	338 mm	335 mm	341 mm	350 mm	357 m	331 mm	331 mm
	Length	457 mm	500 mm	505 mm	484 mm	514 mm	460 mm	460 mm
	Height	321 mm	325 mm	395.68 mm	292 mm	313 mm	310 mm	310 mm
Weight		19.4 kg	18 kg	26 kg	13.7 kg	17.8 kg	16.4 kg	37.48 lbs.