



# CL 400e RFID

## SATO RFID (Radio Frequency IDentification) Printer



- ✓ RFID Labelling
- ✓ 13.56 Mhz (HF) RFID labels
- ✓ 868 Mhz (UHF) RFID labels
- ✓ Heavy-duty industrial construction
- ✓ Industry leading throughput
- ✓ Easy connectivity
- ✓ Windows® compatible



UHF-RFID labels

OR



HF-RFID labels



Easy connectivity



Heavy Duty  
High Throughput  
Cutter



Dispenser -  
Backing paper  
rewinder

# CL 408e RFID, CL 412e RFID

## General Specifications



PRINTING SPECIFICATION		
Printing Method	Direct or Thermal Transfer	
Print Resolution, dots/mm (dpi)	8 dots/mm (203dpi) / 12 dots/mm (305dpi)	
Max. Print Area	Width, mm (inch)	104 mm (4.1")
	Length, mm (inch)	1249 mm (49.2") / 833 mm (32.8")
Print Speed, mm/sec	Up to 150 mm/sec (6 ips)	
CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)		
Sensor Type	Movable transmissive sensor for die cut labels and tags. Reflective sensor for use with pre-printed sensing marks. Automatic or programmable setting of top of form.	
Media Type	Roll or fan-fold die cut labels, plain paper face stock and synthetics. Continuous stock using software control.	
Media Size	Width, mm	Min. 22 mm / Max. 131 mm
	Length, mm	Min. 6 mm / Max. 356 mm
	Thickness, mm	Max. 0,25 mm
	Outer Diameter, mm	Max. 218 mm
Ribbon	Inner Diameter, mm	25,4 mm
	Width, mm	Max. 111 mm
	Length, m	450 m
FONT / SYMBOLOGIES		
Font	Internal	12 proportional, mono-spaced and outline fonts (Code page 858, others available). Internal CG Triumvirate® & CG Times® fonts plus downloaded TrueType® fonts, scalable from 8 to 72 points.
Barcode symbologies	Linear	UPC-A/E, EAN-8/13, Code 39/93/128, Codabar, MSI, Bookland, Industrial 2/5, Interleaved 2/5, Matrix/5, Postnet, UCC/EAN 128
	2-Dimensional	PDF417, RSS-14, Maxicode, Data Matrix, QR Code
	RFID standards	13.56 MHz label (ISO 15693 Std.), 868 MHz (multi protocol)
INTERFACE CHARACTERISTICS		
Processor	32-bit RISC	
Interface standard	ECP Parallel - IEEE1284	
Optional interfaces	RS232C, IEEE1284, LAN, WLAN, USB	
OPERATING CHARACTERISTICS		
Power Requirements	115V/220V (±10%), 50/60 Hz (±1%)	
Environment	Operating	5° to 40°C (41° to 104°F), 15-85% RH, non-condensing
	Storage	-5° to 60°C (23° to 140°F), max. 90% RH, non-condensing
Dimension (W x D x H), weight	W 271 mm x D 430 mm x H 321 mm, 13 kg	
ACCESSORIES		
Cutter, Dispenser with Internal Backing Paper Rewinder, Real Time Clock, Memory Expansion, Rewinder		
OTHERS		
Function	Useful Features	Verification of encoded data (HF/UHF) SSCC/SGTIN EPC encoding feature (UHF)
	Self Diagnosis Checking	Various RFID tag error features

## Recommended applications



### Logistics/warehouse

RFID tags provide a simple solution to the complicated logistics processes by allowing real-time scanning of every RFID-tagged case or box upon arrival and departure simultaneously with minimal manpower. This provides the delivery service and the consumer with more precise information and will help speed up delivery times.



### Library Information Systems

The tracking of loan processing and library assets is a very time-consuming process. By using an RFID tags the library items can be checked in or out more efficiently than with manual processing. With RFID, the processing of returned items no longer requires human intervention. If a tagged library item has not been checked out, any attempt to remove it from the library premises will be detected via the RFID antenna at the entrance gate. In addition the book inventory process can be shortened.



### Garment Industry

RFID tags can be used to label high quality textiles. This improves the reading capability, facilitates handling and ensures traceability. Implementing RFID tags on high-quality textiles benefits retailers by operating as a theft deterrent system.



### Product Traceability

Benefits of product traceability in a supply chain are numerous. For the manufacturer it allows better freight and inventory tracking and easier management of quality, complaint and returns. The wholesaler can improve their inventory control, management of expiry dates and automate the inspections. The retailer has the advantages of RFID database linked to POS counters, streamlined stock, possibility for anti-theft system and management of both expiry dates and claims. And finally for the consumer the queues are shorter, costs lower, they receive a better service and more enjoyable shopping experience.