

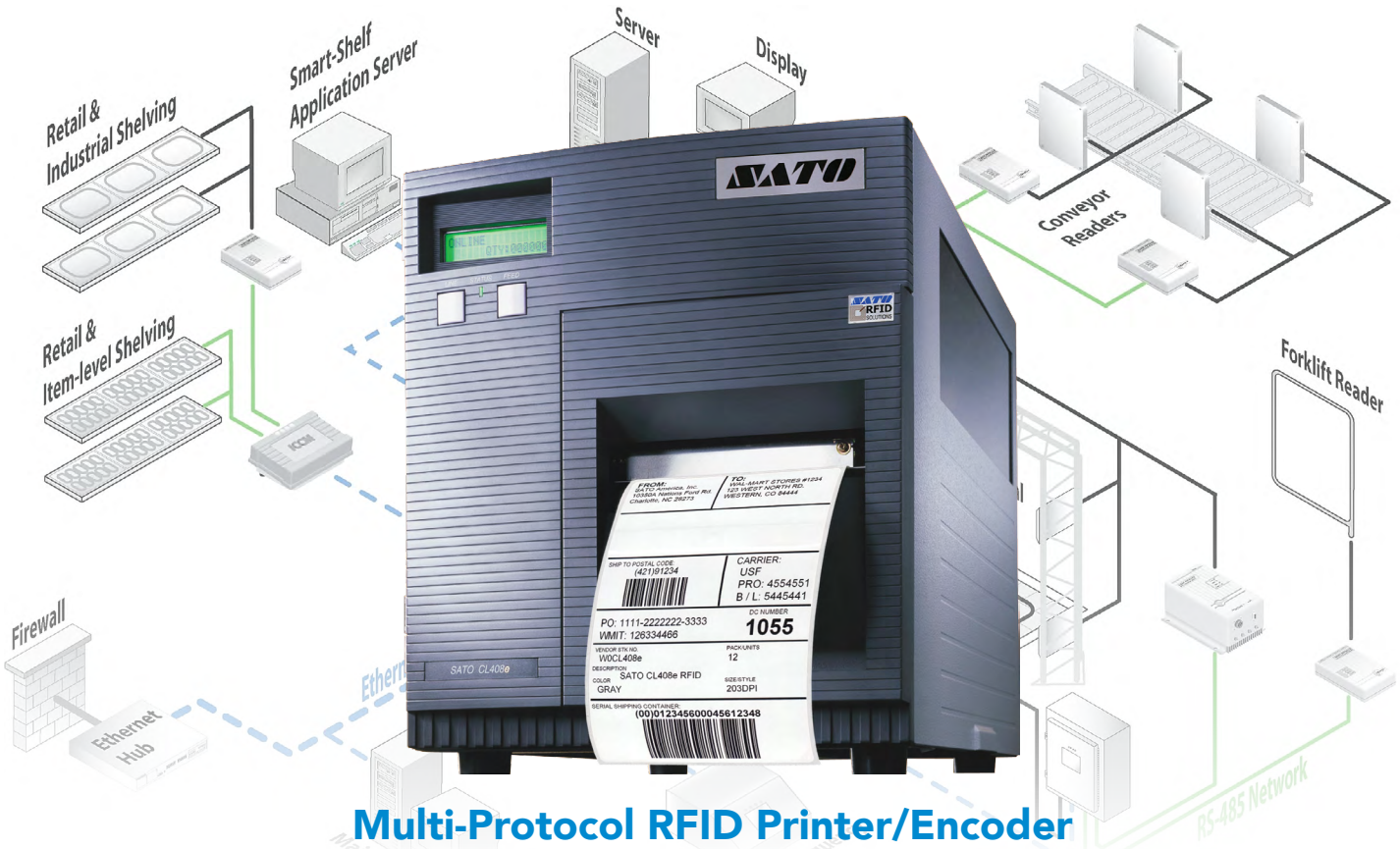


**CL408e-RFID** 203 dpi

**CL412e-RFID** 305 dpi



**Industrial Thermal Printer | CLe Series**



## Multi-Protocol RFID Printer/Encoder

### Streamlined Features

- Print Smart Labels & Tags with Embedded RFID Transponders
- Read, Write & Verify Tags Prior to Printing
- Rugged Industrial Design
- Excellent Media Handling
- XML Enabled Software
- EPC/GS1 Compliance Labeling
- UHF (EPC) and HF (ISO 15693) RFID Supported

### Industry Verticals

- Aerospace
- Automotive
- Education & Libraries
- Food Services
- Distribution
- Government
- Logistics
- Manufacturing
- Utilities
- Wholesale

### Industry Applications

- Compliance Labeling
- Warehouse Logistics
- Access Control
- Access Tracking
- Baggage Tagging
- Retail Labeling
- Product Authentication



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# GENERAL SPECIFICATIONS

CL408e-RFID | CL412e-RFID

PRINTER MODEL		CL408e-RFID	CL412e-RFID
<b>PRINT SPECIFICATIONS</b>			
<b>Printing Method</b>		Direct Thermal/Thermal Transfer	
<b>Print Resolution</b>		203 dpi (8 dots/mm)	305 dpi (12 dots/mm)
<b>Printing Speed</b>		6 ips (100mm/sec)	
<b>Maximum Print Area</b>		4.1" (104 mm) W x 49.2" (1249 mm) L	4.1" (104 mm) W x 32.8" (833 mm)
<b>MEDIA SPECIFICATIONS</b>			
<b>Sensor Type</b>		Adjustable transmissive sensor for gap, Reflective sensor for black mark, Automatic, programmable top of form, Label present sensor (opt. w/dispenser), Ribbon-out sensor	
<b>Media Type</b>		Roll-fed or fanfold, die-cut or continuous direct thermal (thermal transfer) labels, synthetics, and tag stock with or without black mark, gap or notch.	
<b>Media Size</b>	<b>Width</b>	0.87" - 5.1" (22 mm - 131 mm)	
	<b>Length</b>	Minimum 0.24" (6 mm)	
	<b>Caliper</b>	0.01" (0.25 mm)	
<b>Roll Diameter</b>		8.6" (218 mm)	
<b>Wind</b>		Face In	
<b>Maximum Ribbon Size</b>		4.4" (111 mm) W x 1475' (450 m) L - Face In	
<b>FONT/BARCODE SYMBOLOGIES</b>			
<b>Fonts</b>		Bitmap - 12 proportional, mono-spaced and outline fonts (Code table 858). Scalable Internal CG Triumvirate® and CG Times® fonts. Optional Downloaded TrueType® fonts, scalable from 8 to 72 points	
<b>Barcode Symbolologies</b>	<b>Linear</b>	UPC-A, UPC-E, EAN-8, EAN-13, Code 39, Code 93, Code 128, Codabar, MSI, Bookland, Industrial 2/5, Interleaved 2/5, Matrix 2/5, Postnet™, GS1-128, GS1-DataBar™	
	<b>2-D</b>	PDF417, Micro PDF417, Truncated PDF417, Maxicode™, Data Matrix, QR Code, Composite Symbology	
<b>Formatting</b>		360° rotation of barcodes and text, horizontal and vertical character expansion, sequential numbering, form overlay for high-speed editing of complex formats	
<b>MEMORY</b>			
<b>Standard</b>		16 MB RAM, 2 MB Flash	
<b>Optional</b>		4 MB Flash, 1 MB or 256 K PCMCIA	
<b>Processor</b>		32-BIT RISC	
<b>RFID</b>			
<b>Formats</b>		HF (High Frequency) Standards Supported: Tag-it™, I-Code, ISO 15693; UHF (Ultra-High Frequency) Standards Supported: EPC Class 1, ISO 18000-06B, EPC Class 0/0+, EPC Gen 2	
<b>Features</b>		Print-Write-Print for out of Spec Tags; RFID Counters; Calibration for New Inlay Types	
<b>COMMUNICATION INTERFACE</b>			
<b>Plug-In Interface</b>		Serial - RS232 (up to 57.6k bps), Parallel - IEEE1284 (ECP), Ethernet - 10/100BaseT, Wireless 802.11g, Twinax/Coax, RS422/485, USB	
<b>SUPPORT</b>			
<b>Graphic</b>		Printing and storage of *.PCX, *.BMP format, SATO Hex/binary	
<b>Software</b>		32 and 64-bit Windows® Drivers (Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008 and Windows 7) Label Software (Label Gallery Free), Printer Utilities	
<b>OPERATING CHARACTERISTICS</b>			
<b>Electrical Requirements</b>		115V/220V (± 10%), 50/60 Hz (± 1%) - Jumper switch required	
<b>Environment</b>	<b>Operating</b>	41° to 104°F (5° to 40°C), 15-85% RH, non-condensing	
	<b>Storage</b>	23° to 140°F (-5° to 60°C), Maximum 90% RH, non-condensing	
	<b>EDS</b>	8kV	
<b>Agency Certifications</b>		CE, UL, CSA, TÜV	
<b>Dimensions</b>		10.7" (271 mm) W x 16.9" (430 mm) D x 12.6" (321 mm) H	
<b>Weight</b>		28.7 lbs (13 kg)	
<b>OPTIONAL ACCESSORIES</b>			
Label Cutter, Label Dispenser, Label Rewinder, Memory Expansion, Real Time Clock, Plug-In Interface, Label Gallery			

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