SATO
DCS & Labeling Worldwide

RFID Solutions

Easily Supports New RFID Standards & Protocols

CLe RFID Smart Printers

The industrial CL*e* high-speed printers are ideal for a range of applications, including:

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

Smart Printer

In one-step precess the CL*e* RFID printers can read, write and print smart labels and tags with embedded RFID transponders. Transponders include integrated circuitry with an antenna and are designed to be programmed and re-programmed using radio waves.

RFID - Radio Frequency Identification

RFID tags are read, written and verified inside the printer prior to printing. In the case of a tag failure, the CL*e* RFID printers will mark the tag and advance to the next one, assuring top reliability in mission critical applications.

Rugged Design

The CL*e*'s heavy-duty metal construction, proven reliability, and excellent media handling deliver optimum performance in the most demanding environments.

Performs best with
Techno THERM
M•E•D•I•A

THE STANDARD FOR RELIABLE BARCODE PRINTING

SPECIFICATIONS

	CL408e-RFID	CL412e-RFID
Printing Method	Direct Thermal, Thermal Transfer	
Print Resolution	203 dpi (8 dpmm)	305 dpi (12 dpmm)
Print Speed	6 ips (150 mm/s)	
Media Width	Max. 5.1" (131 mm) /Min 0.87" (22 mm)	
Max. Print Width	4.1" (104 mm)	
Min. Print Length	0.24" (6 mm)	
Max. Print Length	49.2" (1249 mm)	32.8" (833 mm)
Max. Ribbon Size	4.4" (111 mm) W x 1475 ft. (450 m) L; Face-In	
Dimensions	10.7" W x 16.9" D x 12.6" H (271mm W x 430 mm D x 321 mm H)	
Weight	28.7 lbs (13 kg)	

RFID Formats:

- 13.56 Mhz (Tag-it™, I-Code, ISO15693)
- UHF (ePC, ISO, EM Marin)
- Supports worldwide bands
- Upgrade capability to support new standards & protocols

Memory:
16 MB Standard RAM
2 MB Standard Flash
16 MB PCMCIA - Optional
6 MB Optional Flash - Total

Processor:
32-BIT RISC/133 MHz

Media:
Roll-fed or fan-fold, die-cut or continuous direct thermal (thermal transfer) "smart" labels, synthetics, and tag stock with or without black mark, gap, or notch.
Max. Caliper: 0.01" (0.25 mm)
Max. Roll Diameter: 8.6" (218 mm)
Wind: Face-In

Sensing:
Adjustable transmissive sensor for gap. Reflective sensor for black mark. Automatic, programmable setting of top of form. Label present sensor - optional with label dispenser. Ribbon-out sensor

Interface Module:
- Parallel - IEEE1284 (ECP)
- USB Adapter

Barcode Symbologies:
Elementary: 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, UCC/EAN 128, RSS, Composite
2-Dimensional: PDF417, Micro PDF417, Truncated PDF417, Maxicode, Data Matrix, QR Code

Fonts:
Bitmap - 12 proportional, mono-spaced and outline fonts (Code table 858). Scalable Internal CG Triumvirate® & CG Times® fonts. Optional Downloaded TrueType® fonts, scalable from 8 to 72 points.

Barcode & Font Formatting:
360° rotation of barcodes and text, character expansion horizontally and vertically, sequential numbering, form overlay for high-speed editing of complex formats.

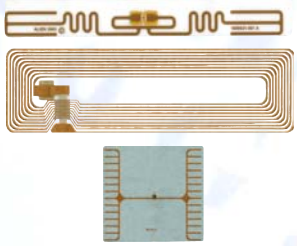
Graphic Support:
Printing & storage of .PCX, .BMP format, SATO Hex/binary

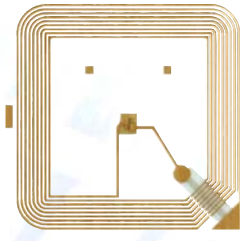
Software:
Windows® Drivers (Windows® 95, 98, ME, NT4.0, 2000, XP)
"Label Gallery Free" - Label Software
Printer Utilities

Electrical Requirements:
115V/220V (± 10%), 50/60 Hz (± 1%)
Agency Certifications: CE, UL, CSA, TÜV

Environmental Requirements:
Operating: 41° to 104°F (5° to 40°C)
15-85% RH, non-condensing
Storage: 23° to 140°F (-5° to 60°C)
Max. 90% RH, non-condensing
ESD: 8kV

Optional Features:
Label Cutter, Label Dispenser, Label Rewinder, Memory Expansion, Real Time Clock, Label Gallery





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