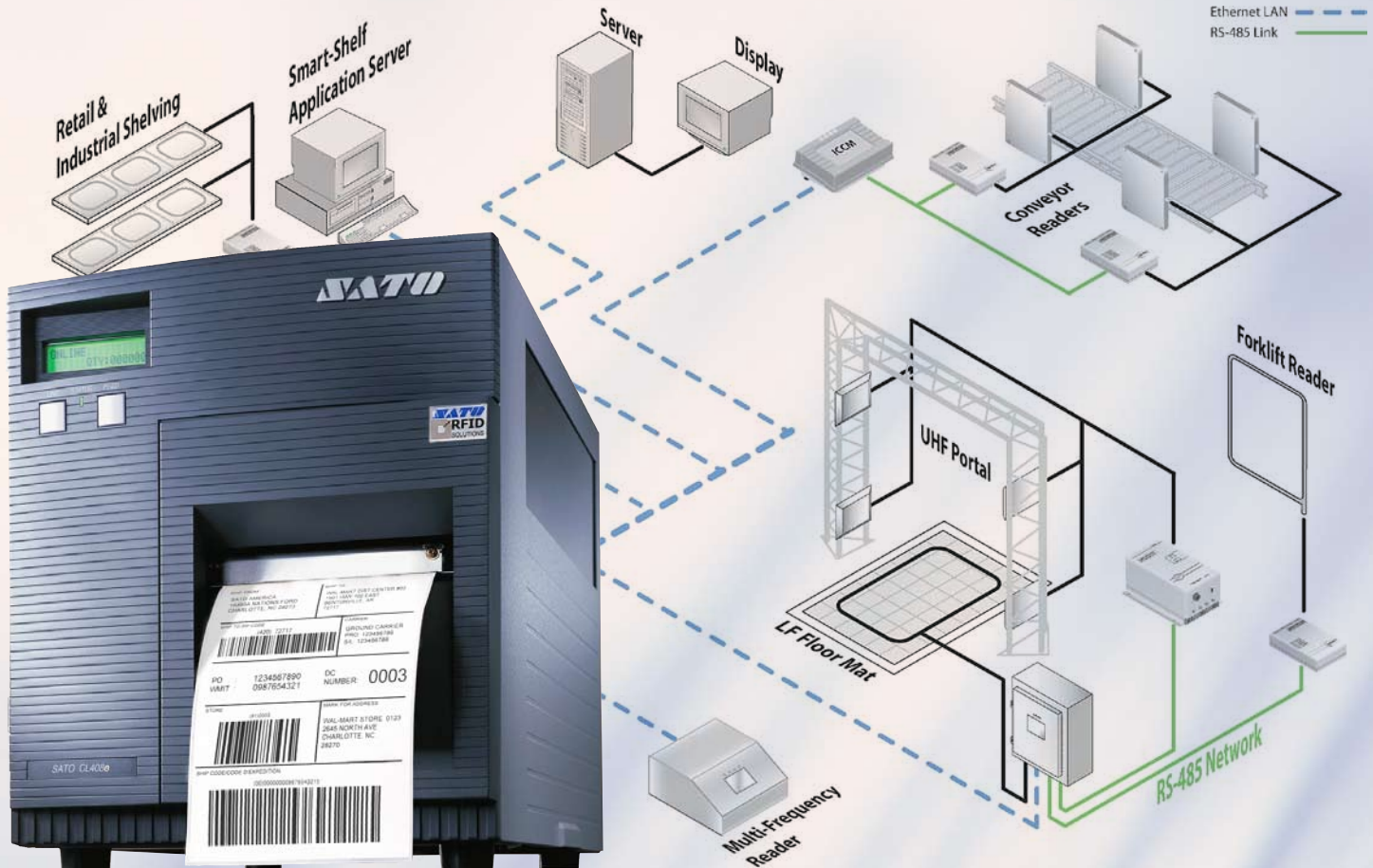


Multi-Protocol RFID Printer/Encoder



CLe RFID Smart Printers

The industrial CLe 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 a one-step process, the CLe 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 CLe RFID printers will mark the tag and advance to the next one, assuring top reliability in mission critical applications.

Rugged Design

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

XML Enabled Available

Direct XML connectivity for printing across technology platforms and applications without the use of labeling software.



SPECIFICATIONS



RFID Formats:

- HF (High-Frequency) Standards Supported
 - Tag-it™
 - I-Code
 - ISO15693
- UHF (Ultra-High Frequency) Standards Supported
 - EPC Class 1
 - EPC Class 0/0+
 - ISO 18000-06B
 - EPC Gen 2
- RFID Counters
- Calibration for New Inlay Types
- Print-Write-Print for out of Spec Tags

Printing Method

Print Resolution

Print Speed

Media Size

Max. Print Width

Max. Print Length

Max. Ribbon Size

Dimensions

Weight

CL408e-RFID

CL412e-RFID

Direct Thermal, Thermal Transfer

203 dpi (8 dpmm)

305 dpi (12 dpmm)

6 ips (150 mm/s)

Max. 5.1" (131 mm) W
Min 0.87" (22 mm) W x 0.24" (6 mm) L

4.1" (104 mm)

49.2" (1249 mm)

32.8" (833 mm)

4.4" (111 mm) W x 1475' (450 m) L; Face-In

10.7" (271 mm) W x 16.9" (430 mm) D x 12.6" (321 mm) H

28.7 lbs (13 kg)

Memory:

- 16 MB Standard RAM
- 2 MB Standard Flash
- 4 MB Flash - Optional
- 1 MB or 256k PCMCIA - Optional

Processor:

32-BIT RISC

Media:

Roll-fed or fan-fold, die-cut or continuous direct thermal (thermal transfer) 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 top of form
- Label present sensor (opt. w/dispenser)
- Ribbon-out sensor

Plug-In Interface Modules:

- Serial - RS232 (up to 57.6k bps)
- Parallel - IEEE1284 (ECP)
- Ethernet - 10/100BaseT
- Wireless 802.11g
- Twinax/Coax
- RS422/485
- USB (Factory Installed)

Barcode Symbolologies:

Linear: 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™

2-Dimensional: PDF417, Micro PDF417, Truncated PDF417, Maxicode™, Data Matrix, QR Code, Composite Symbology

Fonts:

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

Barcode and Font Formatting:

- 360° rotation of barcodes and text
- Horizontal and vertical character expansion
- Sequential numbering
- Form overlay for high-speed editing of complex formats

Graphic Support:

Printing and storage of *.PCX, *.BMP format, SATO Hex/binary

Software:

- Windows® Drivers (Windows® 2000, XP, 2003, Vista and Windows 7)
- Label Software (*Label Gallery Free*)
- 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

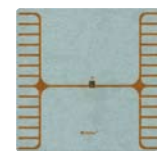
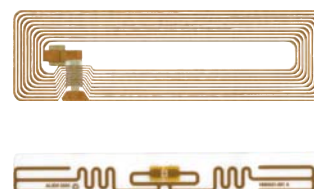
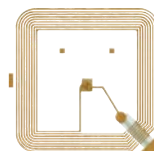
Storage: 23° to 140°F (-5° to 60°C)

Max. 90% RH, non-condensing

EDS: 8kV

Optional Features:

- Label Cutter
- Label Rewinder
- Real Time Clock
- Label Gallery
- Label Dispenser
- Memory Expansion
- Plug-In Interface



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