

# THE INDUSTRIAL THERMAL SOLUTIONS



## CLe Series Printers

Industrial CLe high-speed printers are ideal for:

-  **Compliance Labeling**
-  **WIP Tracking**
-  **Shipping/Receiving**
-  **Asset Tracking**
-  **WMS**
-  **Logistic Tracking**
-  **Retail Labeling**
-  **Laboratory Labeling**
-  **Pallet Labeling**

### Industry Leading Throughput

The CLe Series printers use a fast, powerful 32-Bit RISC processor and high-speed interface to deliver excellent performance at an outstanding value.

### Rugged Industrial Design

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

### Connectivity and Application Flexibility

The CL408e/CL412e and CL608e/CL612e printers simplify connectivity with seven options of user configurable Plug-In Interface Modules. For centralized printer management and administration, the CLe Series offers 10/100 Ethernet (wired) and wireless (802.11g) interface solutions.

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



THE STANDARD FOR  
RELIABLE BARCODE PRINTING

# SPECIFICATIONS



	CL408e	CL412e	CL608e	CL612e
<b>Printing Method</b>	Direct Thermal, Thermal Transfer			
<b>Print Resolution</b>	203 dpi (8 dpmm)	305 dpi (12 dpmm)	203 dpi (8 dpmm)	305 dpi (12 dpmm)
<b>Print Speed</b>	6 ips (150 mm/s)		8 ips (200 mm/s)	
<b>Media Width</b>	Max. 5.1" (131 mm) / Min 0.87" (22 mm)		Max. 7" (178 mm) / Min. 1.96" (50 mm)	
<b>Max. Print Width</b>	4.1" (104 mm)		6" (152 mm)	6.5" (164 mm)
<b>Max. Print Length</b>	49.2" (1249 mm)	32.8" (833 mm)	49.2" (1249 mm)	32.8" (833 mm)
<b>Max. Ribbon Size</b>	4.4" (111 mm) W x 1475 ft. (450 m) L; Face-In		6.75" (172 mm) W x 1345 ft. (410 m) L; Face-In	
<b>Dimensions</b>	10.7" W x 16.9" D x 12.6" H (271mm W x 430 mm D x 321 mm H)		13.8" W x 16.9" D x 11.7" H (352 mm W x 430 mm D x 298 mm H)	
<b>Weight</b>	28.7 lbs (13 kg)		41.9 lbs (19 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 Adapter

#### Barcode Symbolologies:

##### Linear:

- UPC-A
- UPC-E
- ITF-14
- Code 128
- Code 39
- Interleaved 2 of 5
- EAN-13
- MSI
- Matrix 2 of 5
- RSS
- Postnet
- EAN-8
- Code 93
- Codabar
- Bookland

##### 2-D:

- Data Matrix
- Maxicode
- Composite
- PDF417
- QR Code
- Micro PDF417

#### 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® 95, 98, ME, NT4.0, 2000, XP)
- Label Software (*Label Gallery Free*)
- Printer Utilities

#### Electrical Requirements:

115V/220V (± 10%), 50/60 Hz (± 1%)

#### Agency Certifications:

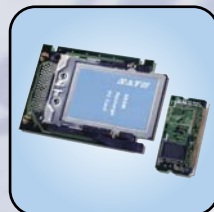
CE, UL, CSA, TÜV

#### 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
- RFID (CL4xx)
- Label Dispenser
- Memory Expansion
- Plug-In Interface
- Label Gallery



Memory Expansion



Plug-In Interface Modules



Dispenser



Rewinder

**SATO**  
DCS & Labeling Worldwide

#### SATO America, Inc.

10350-A Nations Ford Road, Charlotte, NC 28273  
Phone: (704) 644-1650 Fax: (704) 644-1662  
E-mail: satosales@satoamerica.com

[www.satoamerica.com](http://www.satoamerica.com)