



# THE INDUSTRIAL THERMAL SOLUTIONS



## CLe Series Printers

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

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

### Industry Leading Throughput

The CLe Series printers use a powerful 133 Mhz 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 a large selection of user configurable Plug-In Interface Modules. For centralized printer management and administration, the CLe Series offers WPCPlus as part of the 10/100 Ethernet and WiFi 802.11b interface solutions.

Performs best with  
**Techno**   
T H E R M  
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>Min. Print Length</b>	0.87" (22 mm)		1.96" (50 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  
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) 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

#### Plug-In Interface Modules:

- Serial - RS232 (up to 57.6k bps)
- Parallel - IEEE1284 (ECP)
- Ethernet - 10/100BaseT (incl. *WPCPlus*)
- Wireless 802.11b (incl. *WPCPlus*)
- Twinax/Coax
- RS422/485
- USB Adapter

#### Barcode Symbolologies:

**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  
EDS: 8kV

#### Optional Features:

Label Cutter, Label Dispenser, Label Rewinder, Memory Expansion, Real Time Clock, Interface Plug-In Modules, RFID (CL4xx), Label Gallery



Memory Expansion



Plug-In Interface Modules



Dispenser



Rewinder

**SATO**  
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