

# CITIZEN

Micro HumanTech

**High performance with easy access**  
**Ingenuously designed for easy operation and reliability**



## CITIZEN CL-S700

LABEL & BARCODE

### Typical Applications

- Logistics
- Courier
- Shelf-Edge
- Retail
- Warehousing
- Textile
- Card Tags

### Space-Saving Design Concept



The Hi-Open™ case lifts up vertically meaning that the printer's footprint does not change as the cover is opened making it ideal for tight spaces.

### Front Loading Rewinder



The clever and unique CL-S700R includes an internal rewinder that is simplicity itself to use. The front door drops down and the liner or labels are loaded.

### Easy Configuration



The large graphic LCD gives a clear indication of printer status and easy printer configuration.

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## Product Versions

### Internal Peel & Rewind

The CL-S700R features an integrated peeler with liner rewinder for easy label dispensing. The peel sensor waits for each label to be taken before printing another.



### 300 dpi Resolution

The CL-S703 is ideal for small labels with 2D matrix barcodes such as Datamatrix, DataBar, QR-Code and PDF417 or printing company logos and idents and CE or WEEE logos.



## Printer Specifications

| Model Version                     | CL-S700DT   | CL-S700  | CL-S700R        | CL-S703                               | CL-S703R*       |
|-----------------------------------|---|--|-----------------|---------------------------------------|-----------------|
| Technology                        | Direct Thermal  | Thermal Transfer & Direct Thermal  |                 |                                       |                 |
| Resolution                        | 203 dpi (8 dots per mm)   |  |                 | 300 dpi (12 dots per mm)              |                 |
| Print Speed (maximum)             | 7 ips, 175mm/sec  | 10 inches per second (254 mm / second)                                       |                 | 8 inches per second (200 mm / second) |                 |
| Print Width (maximum)             | 4.10 inches, 104.1 mm   |  |                 |                                       |                 |
| Media Width (min to max)          | 1.00 inches to 4.65 inches (25.4 mm to 118.1 mm)  |  |                 |                                       |                 |
| Media Length (min to max)         | 0.25 inches to 32.0 inches (6.35 mm to 812.8 mm)  |  |                 |                                       |                 |
| Roll Size (max), Core Size (min)  | 8 inches (200 mm) outside diameter. Core size minimum of 1 inch (25mm). External media slot   |  |                 |                                       |                 |
| Media Sensor                      | Fixed front sensor  | Fully adjustable rear sensor and high resolution front sensor                |                 |                                       |                 |
| Media Thickness (min to max)      | 0.0025 inches - 0.01 inches (0.0635 - 0.254 mm)   |  |                 |                                       |                 |
| Ribbon Size                       |   | 3.40 inches (86.5 mm) maximum Outside Diameter. 1476 ft (450 metres) length. |                 |                                       |                 |
| Ribbon Winding & Type             | Direct thermal only   | Ink side in or out, automatically sensing. Wax, Wax/Resin or Resin Type      |                 |                                       |                 |
| Ribbon System                     |   | ARCP™ automatic ribbon tension adjustment                                    |                 |                                       |                 |
| Emulations (Languages)            | Cross-Emulation™ - automatic switching between Zebra® ZPL-II® and Datamax® I-Class®, DMX400®  |  |                 |                                       |                 |
| Standard Interfaces               | Serial & USB  | Parallel (IEEE-1284), Serial (RS-232C), USB (version 1.1)                    |                 |                                       |                 |
| Optional Interfaces               | Parallel, LAN, WLAN   | Ethernet LAN (10/100 BaseT), Wireless LAN (802.11b, g, n*)                   |                 |                                       |                 |
| Case Type, Mechanism Type         | Hi-Open™ metal case with safe, soft-close feature. Hi-Lift™ mechanism with 90° opening        |  |                 |                                       |                 |
| Control Panel                     | 4-line back-lit graphic LCD and 4 buttons   |  |                 |                                       |                 |
| RAM (Standard Memory)             | 16.0 Mb total, 1.0 Mb available for user  |  |                 |                                       |                 |
| Flash (Non-Volatile Memory)       | 4.0 Mb total, 1.0 Mb available for user   |  |                 |                                       |                 |
| Windows® drivers, design software | Free-of-charge on CD with printer, including support for Windows® XP®, 2003, 2008, Vista®     |  |                 |                                       |                 |
| Internal Peeler & Rewinder        | No  | No   | Yes             | No                                    | Yes             |
| Size (W x D x H mm)               | 255 x 490 x 265   | 255 x 490 x 265  | 255 x 490 x 385 | 255 x 490 x 265                       | 255 x 490 x 385 |
| Weight (approximately)            | 12.5 Kg   | 13.3 Kg  | 17.6 Kg         | 13.3 Kg                               | 17.6 Kg         |
| Warranty                          | 2 Year Manufacturer's Warranty or 100 Km on printer. Printhead: 50 Kms or 6 months in TT mode |  |                 |                                       |                 |

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## Features

- Hi-Lift™ mechanism for easy ribbon and media loading.
- Hi-Open™ case for vertical opening, no increase in footprint and safe closing.
- Cross-Emulation™: Zebra® and Datamax® languages standard and automatically selected.
- Backlit LCD control panel for easy configuration.
- Front access for all operations including media and ribbon changing.
- Power switch located in recess at front of printer.
- Adjustable media sensor as standard with label gap and black mark sensing.
- Ingenious front-loading rewriter for peeling or batch mode.
- Optional Wireless LAN and Ethernet, cutters and peelers

Dealer Stamp

1200000

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## Optional Media Handling

### Two Autocutter Versions

The CL-S700 and CL-S703 printers feature two cutter types: a *heavy-duty* cutter for thick card and plastics media and a *high-speed* cutter for standard labels and paper.



### Optional Peeler

An optional peeler can be added to the CL-S700 and CL-S703 giving the peel-and-present function without the height of the full liner rewriter case.



### Batch Mode Printing

The CL-S700R can be used for 'core-to-core' batch label printing using the optional rewriter paper guide and paper core holder.



## Auto Cutter Specifications

| Model  | CL-S700DT, CL-S700, CL-S703<br>(Cutter does not fit on "R" models)  |   |
|--|---|---|
| Version                                      | High Speed  | Heavy Duty  |
| Type   | Running Blade   | Rotary  |
| Media Thickness                              | 0.0024 - 0.01 inches<br>0.06 - 0.25 mm  |   |
| Cut Length                                   | Minimum: 1.00 inch, 25.4 mm<br>Maximum: determined by software  |   |
| Speed: time/cut                              | 0.3 seconds   | 0.8 seconds                                       |
| Cuts/thickness<br>0.06-0.15mm<br>0.15-0.25mm | 300,000 cuts<br>100,000 cuts  | 500,000 cuts<br>200,000 cuts                      |
| Suggested Media Types                        | Card or ticket media, adhesive labels on backing  | Textile, PET, thin plastic, thick card or tickets |
| Media Guidelines                             | Fanfold or Roll media. Roll media should be on a minimum 50mm core. Cut quantity may not be guaranteed with adhesives |   |
| Cut tolerance                                | ± 1 mm horizontal and vertical  |   |
| Weight (approx.)                             | 0.46 Kg   | 0.80 Kg   |

## Peeler Specifications

| Model   | CL-S700DT,<br>CL-S700, CL-S703                                    | CL-S700R<br>CL-S703R*                |
|---|---|--------------------------------------|
| Installation                                  | Optional  | Standard                             |
| Liner rewinding                               | No  | Integral front-loading spool         |
| Label-taken sensor                            | Standard  | Standard                             |
| Type  | S-bend, silicone dual roller                                      |                                      |
| Liner Thickness                               | 0.07mm, 0.0027 inches (max)                                       |                                      |
| Label Thickness                               | 0.17mm, 0.0067 inches (max)                                       |                                      |
| Liner Width                                   | 25 - 118mm, 1 - 4.65 inches                                       |                                      |
| Label Length (min)                            | 1 inch, 25.4mm  |                                      |
| Label Length (max)<br>Table Top<br>Table Edge | 120mm, 4.72 inch<br>812mm, 32.0 inch                              | 280mm, 11.0 inch<br>812mm, 32.0 inch |
| Print Speed                                   | Not to exceed 7 inches per second                                 |                                      |
| Label width                                   | To be narrower than liner   |                                      |
| Number of Labels                              | 100 Km or 1 million peeled labels<br>(when using specified media) |                                      |

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## General Applications

- Logistics and Courier Labels



- Warehouse and Distribution



- Retail and Item Labelling

