

## Advance to the pole position High speed printing with unique ease of use



**CT-S851**  
(available in black or white)

### LCD display

The industry's first POS printer with LCD display for easy configuration and operation. Many set up options and coloured status or error messages.

### In a hurry?

With 300mm/sec. print speed the CT-S851 is the fastest POS printer in the market.

### Toolfree maintenance

Paper jam? No problem for the CT-S851. One hand grip and the cutter is released automatically. No tool is needed.

Even if the long-life cutter ever needs to be exchanged. Thanks to it's Snap-In design this only takes 30 seconds.

### Internal Power Supply

All 80mm POS printers from Citizen offer an internal power supply.

## CT-S851 POS

### Applications

- Hospitality
- Receipt
- Coupon
- Ticket
- Daily Report
- Kitchen
- Delivery slip
- Barcode
- Weigh scales
- Kiosk
- Queue management



Online status



Error message with instruction



Snap-in cutter

# CITIZEN

Micro HumanTech

## Specifications

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------|-----------------|--------------|------------------|---------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Printing method</b>              | Line thermal dot printing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Printing width</b>               | 80mm/640 dots, 72mm/576 dots, 64mm/512 dots, 54.5mm/436 dots, 54mm/432 dots, 52.5mm/420 dots, 48mm/384 dots, 45mm/360 dots, 48.75mm/390 dots, 68.25mm/546 dots                                                                                                                                                                                                                                                                                                                                                                 |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Dot pitch</b>                    | 8 x 8 dots/mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Printing speed</b>               | Max. 300mm/s (print density 100%), 2400 dot-lines/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Number of columns</b>            | 83mm paper: Font A – 53, Font B – 71, Font C – 80, 80mm paper: Font A – 48, Font B – 64, Font C – 72, 60mm paper: Font A – 36, Font B – 48, Font C – 54, 58mm paper: Font A – 35, Font B – 46, Font C – 52                                                                                                                                                                                                                                                                                                                     |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Character size (WxH)</b>         | Font A: 1.50 x 3.00mm (12 x 24 dots), Font B: 1.13 x 2.13mm (9 x 17 dots), Font C: 1.00 x 2.00mm (8 x 16 dots)                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Character table</b>              | Alphanumeric, International, PC437/850/852/857/858/860/863/864/865/866/WPC1252/katakana/Thai code 18                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Barcode type</b>                 | UPC-A/E, JAN-13/8, Code 39, Code 128, CODABAR, Code 93, PDF417, QR Code                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Logo registration/print</b>      | 384 KB (capable of storing user-defined characters and logos)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Line spacing</b>                 | 4.23mm (1/6 inch), can be set by command                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Paper</b>                        | <table> <tr> <td><b>Width</b></td><td>83mm/80mm/60mm/58mm (all +0/-1mm)</td></tr> <tr> <td><b>Diameter</b></td><td>maximum 83mm</td></tr> <tr> <td><b>Thickness</b></td><td>65-75µm (core tube diameter: inner 12mm/outer 18mm)<br/>75-150µm (core tube diameter: inner 25.4mm/outer 32mm)</td></tr> <tr> <td><b>Recommended Paper</b></td><td>TF-50KS-E-2D from Nippon Paper, PD150R or PD160R from Ohji Paper, PA220AG, HP220A, HP220AB-1, F230AA, P220AB, or PB670 (2-color paper) from Mitsubishi Paper</td></tr> </table> | <b>Width</b> | 83mm/80mm/60mm/58mm (all +0/-1mm) | <b>Diameter</b> | maximum 83mm | <b>Thickness</b> | 65-75µm (core tube diameter: inner 12mm/outer 18mm)<br>75-150µm (core tube diameter: inner 25.4mm/outer 32mm) | <b>Recommended Paper</b> | TF-50KS-E-2D from Nippon Paper, PD150R or PD160R from Ohji Paper, PA220AG, HP220A, HP220AB-1, F230AA, P220AB, or PB670 (2-color paper) from Mitsubishi Paper |
| <b>Width</b>                        | 83mm/80mm/60mm/58mm (all +0/-1mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Diameter</b>                     | maximum 83mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
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| <b>Interface</b>                    | Serial (RS-232C compliant), parallel (IEEE 1284 compliant), USB, USB with hub, Ethernet, powered USB                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Input buffer</b>                 | 4K bytes/45 bytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Drawer kick-out</b>              | 2 drawers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>External device port</b>         | RJ-45, 8-pin connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Liquid crystal display (LCD)</b> | 128 x 32 dots STN liquid crystal, white/red LED backlight                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Power supply</b>                 | Input: AC 100 to 240V, 50/60 Hz, 150 VA, Output: DC 24, 2.1 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Weight</b>                       | CT-S851S: Approx. 2 kg, CT-S851A: Approx. 1.6 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Dimensions (W x D x H)</b>       | CT-S851S: 145 x 192 x 148 mm, CT-S851A: 145 (W) x 192 (D) x 120 (H) mm                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Operating environment</b>        | 5 to 45°C, 10 to 90% RH (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Storage environment</b>          | -20 to 60°C, 10 to 90% RH (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>Reliability</b>                  | Print head life: 150km, 200 million pulses (at normal temperature and humidity using recommended paper), Auto cutter life: 2 million cuts (at normal temperature/humidity, using recommended paper and paper thickness)                                                                                                                                                                                                                                                                                                        |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |
| <b>EMC and safety standards</b>     | UL, C-UL, FCC Class A, TUV-Bauart, CE Marking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                   |                 |              |                  |                                                                                                               |                          |                                                                                                                                                              |

## Type Classification

CT-S851S 3 RS E BK P L M1  
1) 2) 3) 4) 5) 6) 7) 8) 9)

## Accessories

### Interface Connections

|                      |                              |
|----------------------|------------------------------|
| Serial IF1-RS01      | USB incl. USB hub IF1-HU01   |
| Parallel IF1-PA01    | Ethernet (SEH) IF1-ES01      |
| USB IF1-UB01         | Ethernet (Standard) IF1-ET01 |
| Powered USB IF1-PU01 |                              |



Exchangeable interfaces plus RJ-45 port

## Customization Software



### 1) Model type

CT-S851

### 2) Power supply

DC: No power source  
S: Built-in power supply type  
A: AC adapter type

### 3) Paper width

3: 3 inch (80/83 mm)  
2: 2 inch (58/60 mm)

### 4) Interface

PA: Parallel  
RS: Serial RS-232C  
UB: USB only  
UH: USB with hub  
ET: Ethernet (standard type)  
ES: Ethernet (multi-function type)  
UP: Powered USB

### 5) Market:

J: Japanese  
E: Europe/Asia  
U: North America  
C: China

### 6) Body case color

WH: White  
BK: Black  
GR: Gray

### 7) PNE sensor

No  
P: PNE sensor

### 8) Label

No  
L: Label type

### 9) Black Mark sensor

No  
M1: Left side  
M2: Right side

## Features



- 300mm / sec high-speed printing
- 82,5/80/60/58 mm selectable paper width
- Easy paper loading
- Auto retracting Cutter (full/partial)
- Snap-in cutter
- LCD display
- Built-in buzzer
- Front paper exit
- Splash proof design
- Paper roll capacity Ø 83mm
- Exchangeable interface cards
- RJ-45 port
- Built-in AC adaptor
- Cash drawer kick-out
- Bitmap registration (NV memory)
- Barcode printing
- ESC/POS compatibility
- Page mode
- Two color printing
- Smoothing fonts
- Available in white, black or dark grey (option)
- Driver: Win2000/XP/Vista/2003 Server, OPOS, Java POS, CUPS
- Utility software: Printer customization software, Receipt Layout Designer

Australian Distributor:

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