

# AVNET EMBEDDED SPECIFICATION.

**Datasheet**  
Citizen  
CT-S851

## 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

### Accessories

#### Interface Connections

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

### 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>	83mm/80mm/60mm/58mm (all +0/-1mm)
<b>Diameter</b>	maximum 83mm
<b>Thickness</b>	65-75µm (core tube diameter: inner 12mm/outer 18mm)
<b>Recommended Paper</b>	75-150µm (core tube diameter: inner 25.4mm/outer 32mm) 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>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)

#### 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  
 L: Label type

#### 8) Label

No  
 M1: Left side  
 M2: Right side

#### 9) Black Mark sensor

No  
 M1: Left side  
 M2: Right side

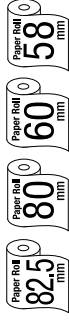


Exchangeable interfaces plus RJ-45 port

### Customization Software



### 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

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