

## Specifications

## CT-S851

**Printing method**

Line thermal dot print method

**Printing width (\*1)**

80 mm / 640 dots, 72 mm / 576 dots, 64 mm / 512 dots, 54.5 mm / 436 dots, 54 mm / 432 dots, 52.5 mm / dots, 48 mm / 384 dots, 45 mm / 360 dots, 48.75 mm / 390 dots, 68.25 mm / 546 dots

**Dot density**

8 ?8 dots / mm (203 dpi)

**Printing speed**

Max. 300 mm/sec, 2400 dots lines / sec. (fastest, print density 100%)

**Number of print columns (\*2)**

Font	Maximum number of characters (columns)				Dot configuration (dots)
	83mm	80mm	60mm	58mm	
Font A	53	48	36	35	12 ?24
Font B	71	64	48	46	9 ?17
Font C	80	72	54	52	8 ?16

**Character size (W ?H) (\*3)**

Font A: 1.50 x 3.00 mm  
 Font B: 1.13 x 2.13 mm  
 Font C: 1.00 x 2.00 mm

**Character type**

Alphanumeric, International, PC437  
 PC850/852/857/858/860/863/864/865/866/  
 WPC1252/Katakana/Thai code 18

**LCD**

128 x 32 dots STN liquid crystal, white/red LED backlit

**User memory**

384 Kb (capable of storing user-defined characters and logos)

**Barcode type**

UPC-A/E, JAN(EAN) 13/8 columns, ITF, CODE 39, CODE 128, CODABAR (NW-7), CODE 93, PDF417, QR Code

**Line spacing**

4.23mm (1/6 inch) (changeable using commands)

**Paper roll**

Paper roll: 83mm, 80mm, 60mm, 58mm all +0mm/-1mm  
 Paper thickness: 0.065 - 0.075mm (core tube diameter: inner 12 mm/outer 18mm)  
 0.075 - 0.150mm (core tube diameter: inner 25.4 mm/outer 32 mm)

**Interface**

Serial (RS-232C compliant), Parallel (IEEE1284 compliant), USB, USB with hub, Ethernet, powered USB

**Cash drawer kick-out**

Supports 2 cash drawers

**External device port**

RJ-45, 8-pin connector

**Buffer size**

4K bytes / 45 bytes

**Supply voltage**

DC 24V ? 5%

**Power consumption**

Approx. 45 W (normal printing), 3W (standby)

**AC adapter**

Rated input: AC 100 to 240 V, 50/60 Hz, 150 VA

**(36AD2, 36AD3)**

Rated output: DC24 V, 2.1 A

**Weight**

CT-S851 (Built-in power supply type): 2.0kg

CT-S851N (No Power Supply): 1.6kg

**Outer dimensions (W ?D ?H)**

CT-S801 (Built-in power supply type): 145 ?192 ?148 mm

CT-S801N (No power Supply): 145 ?192 ?120 mm

**Operating temperature and humidity**

5 to 45 °C, 10 to 90 % RH (no condensation)

**Storage temperature and humidity**

-20 to 60 °C, 10 to 90 % RH (no condensation)

**Reliability**

Print head life: 150 km, 200 million pulses (at normal temperature and humidity using recommended paper)

Auto cutter life: 2 million cuts (at normal temperature and humidity using recommended paper)

**Safety standards (\*4)**

UL, C-UL, FCC class A, TUV-Bauart, CE marking