

High Speed & High Performance Thermal Receipt Printer



Supermarkets



Restaurants



Lottery



TP510/TP510C

- Print speed: 100 mm/s
- Print head life: 50km
- Paper width: 57.5 ±0.5 mm
- Power consumption: 27W(Operating)
- Paper outer diameter: Φ83 mm (Max.)



TP850

- Print speed: 300 mm/s
- Print head life: 150km
- Input buffer: 4 MB
- Paper eject direction: Eject from top
- Power consumption: 40W(Operating)
- Paper width: 79.5 ±0.5 mm; 57.5 ± 0.5 mm



TP830

- Print speed: 300 mm/s
- Cutter life: 1.5 million cut
- Emulation: ESC/POS , STAR Line Mode
- Paper width: 79.5 ±0.5 mm; 69.5 ±0.5 mm; 57.5 ±0.5 mm



TP860

- Print speed: 300 mm/s
- Warning way: Sound-light
- Paper eject direction: Eject from front
- Dot density: 640 dots/line (203×203 DPI)
- Paper width: 79.5 ±0.5 mm; 69.5 ±0.5 mm; 57.5 ±0.5 mm



High Speed & High Performance Thermal Receipt Printer



TP510/TP510C



TP850



TP830



TP860

Specification:

| | | TP510/TP510C | TP850 | TP830 | TP860 |
|-------------------------|----------------------------|---|---|---------------------------|--|
| Printing method | | Direct thermal printing | Thermal line printing | | |
| Dot density | | 384 dots/line (203×203 DPI) | 640 dots/line (203×203 DPI) | | |
| Print speed(Max.) | | 100 mm/s | 300 mm/s | | |
| Paper specification | Width | 57.5 ±0.5 mm | 79.5 ±0.5 mm; 57.5 ± 0.5 mm | | 79.5 ±0.5 mm; 69.5 ±0.5 mm; 57.5 ±0.5 mm |
| | Weight | 53 ~ 80 g/m2 | | | |
| | Outer diameter | Φ83 mm (Max.) | | | |
| | Thickness | 0.065 ~ 0.15 mm | 0.065 ~ 0.12 mm | 0.065 ~ 0.14 mm | |
| Character set | | ASCII: 13 international character sets | | | |
| Line spacing | | 30/203 inch, or programmable in 1/203 inch increment | 3.75 mm | | |
| Interface | | USB / USB + Serial / USB + Bluetooth / USB + Wi-Fi (TP510C) Parallel / USB / USB + Serial / USB + Ethernet / USB + Serial + Ethernet / USB + Bluetooth / USB + Wi-Fi / Wi-Fi (TP510 / TP850 / TP830 / TP860) | | | |
| Cash drawer interface | | RJ-11, 12V (DC)/1A | | | |
| Special function | | Online parameter settings, Software online update | | | |
| Input buffer | | 4 KB | 4 MB | | |
| Emulation | | ESC/POS | ESC/POS , STAR Line Mode | | |
| Control command | Character printing command | Support ANK characters, user-defined characters and Chinese characters 1-2 times enlarged printing, can adjust character line spacing | Support ANK characters, user-defined characters and enlarged printing of Chinese characters 1~8 times (1-6 times enlarged printing in STAR Line Mode) , can adjust character line spacing | | |
| | Dot image printing command | Support different densities dot images and downloaded image printing, can save NV bitmap without electricity (Can save LOGO for long) | | | |
| | Linear bar code | UPC-A, UPC-E, EAN-13, EAN-8, CODE39, CODE128, ITF-25, CODABAR | | | |
| | Two-dimension code | / | PDF417, QR CODE | | |
| Power supply | Input | 100 ~ 240V(AC) 50Hz ~ 60Hz | | | |
| | Output | 8.5 V(DC) 3 A (TP510) | 24 V (DC) 2.5 A | | |
| Environmental condition | Operating environment | Temperature: 5 ~ 35℃ Humidity: 25 ~ 80%RH (No condensation) | | | |
| | Storage environment | Temperature: -40 ~ 55℃ Humidity: ≤93%RH (40℃, No condensation) | | | |
| Weight | | 1 Kg | 1.45 kg | | |
| Noise(ISO7779 standard) | | < 38 dB (A) | | | |
| Physical dimensions | | 120×192×130mm (TP510) 123.5×192×125mm (TP510C) | 148×207×135 mm | 142×195×132 mm | 142×200×147 mm |
| Power | Operating | 27 W | 40 W | | |
| Power consumption | Standby | 1.3 W | 3.5 W | | |
| Paper feed mode | | Unidirectional feed with friction | | | |
| Code page | | 76 kinds | ESC/POS (77 kinds) | STAR Line Mode (42 kinds) | |
| Cutting method | | Manually tear(TP510) Auto cut (Full cut, partial cut) (TP510C / TP850 / TP830 / TP860) | | | |
| Auto-cutter | Cutter life | 1.5 million times (The instructions are all under the laboratoral measurements with specified paper.) | | | |

Note: All the technical instructions in this user's manual are the laboratorial measurements which are achieved under national standard store and work environment (room temperature), the measuring paper accords with the specification in this user's manual.