

# SPP-R310

3 inch Mobile Printer



# Compact and Ergonomic



### Smaller and Lighter Design

- Easy to grip: 30% lighter and 26% slimmer than SPP-R300
- One touch cover open and easy paper loading



### Mobile Field-Work Optimization

- Wireless and wired connectivity options including Bluetooth, WiFi, USB and Serial
- Supporting Easy Bluetooth Pairing™ via embedded NFC tag enabling auto pairing
- Dual-band WLAN (5GHz and 2.4 GHz)
- Dual-mode Bluetooth V4.1 Classic (MFi AP2 certified) and LE
- IP54 (Printer only) water and dust proof
- 1.8 m / 6 ft. drop rate
- Long-lasting battery life (24-hour stand by time)



### Built for Multi-Purpose

- Fast printing speed up to 100 mm/sec (Receipt)
- Designed for the receipt and label printing (Simple to switch via the feed button)
- Optional linerless label printing (80 mm/sec at 203dpi)
- Supports black mark reflective sensor and transmissive gap sensor (Optional Positioning)

# SPP-R310

## 3 inch Mobile Printer



Reported by  
Chunichisha

## Specifications

### Printer Specifications

**Print Method**

Direct Thermal

**Print Speed**

Up to 100 mm/sec (Receipt)  
Up to 80 mm/sec (Linerless)  
12.5% pattern

**Print Resolution**

203 dpi

**Print Width**

Up to 72 mm

**Sensor**

Paper End  
Paper Cover Open  
Black Mark (Optional positioning)  
Gap (Optional)

### Media Characteristics

**Media Type**

Receipt, Label and Linerless (Optional)

**Media Width**

80 mm

**Media Roll Diameter**

Up to 50 mm

**Media Thickness**

0.07 ± 0.005 mm

**Supply Method**

Easy paper loading

### Physical Characteristics

**Dimensions (WxLxD)**

105.0 x 126.0 x 58.0 mm  
(4.14 x 4.97 x 2.29 inch)

**Weight**

Including battery: 385 g (0.85 lbs.)  
Including MSR: 405 g (0.9 lbs.)  
Paper: 133 g (0.29 lbs.)

**Battery**

7.4 V Li-ion, 2,600 mAh, Rechargeable  
Charging time: Up to 4.0 hrs

### Performance Characteristics

**Memory**

64 Mbit SDRAM, 32 Mbit FlashROM

**Interface Options**

Standard: USB V2.0 FS + Serial  
Optional: USB V2.0 FS + Serial + Bluetooth V3.0 +  
EDR\* / WLAN 802.11b/g/n  
(Infrastructure, Ad-hoc, Wi-Fi Direct)  
- WEP40/104, WPA1/2(PSK, EAP)  
\* Easy Bluetooth Pairing™ via NFC

**SPP-R310plus**

USB V2.0 FS + Serial + Bluetooth V4.1 (Classic  
+ LE) / WLAN 802.11a/b/g/n (Infrastructure,  
Ad-hoc, Wi-Fi Direct, SoftAP) - WEP40/104,  
WPA1/2(PSK, EAP)

### Environment Characteristics

**Temperature**

Operating: -15 ~ 50°C (5 ~ 122°F)  
Storage: -30 ~ 70°C (-22 ~ 158°F)

**Humidity**

Operating: 10 ~ 80% RH

**Sealing**

IP54

**Drop Rate**

1.8 m (6 ft.)

### Software

**Emulation**

BXL / POS

**Drivers**

Windows Driver, OPOS Driver, JPOS Driver,  
Linux CUPS Driver

**SDKs**

iOS SDK, Android SDK, Windows SDK

### Fonts / Graphics / Symbologies

**Character Size**

Font A: 12 x 24 Font B: 9 x 17 Font C: 9 x 24  
KOR, CHN: 24 x 24

**Characters Per Line**

Font A: 48 Font B, C: 64  
KOR, CHN: 24

**Character Sets**

Alphanumeric: 95  
Expanded Graphics: 128 x 33 page  
International: 32

**Graphics**

Supporting user-defined fonts, graphics,  
formats, layouts, and logos

**Barcode**

1D: Codabar, Code 39, Code 93, Code 128, EAN-8,  
EAN-13, ITF, UPC-A, UPC-E  
2D: Aztec, Data Matrix, GS1 Databar, MaxiCode,  
PDF417, QR code

### Accessories

**Standard**

Belt Clip, Battery Pack, Battery Charger,  
Power Cord, Paper

**Optional**

Belt Strap, Case, Protective Case, Shoulder Strap,  
Single Battery Cradle, Quad Battery Charger,  
Cigarette Lighter Charger, Serial/USB Cable,  
Cleaning Pen

### Integrated Card Reader (Optional)

**MSR**

3 Track (T-DES/DUKPT(Optional))



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