

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)

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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 (WxDxH)

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.)

Electrical

7.3 V Li-ion, 2600 mAh,
Rechargeable Charging time: Up to 4.0 hrs
EnergyStar Certified

Performance Characteristics

Memory

8 MB SDRAM, 4 MB Flash

Interface

Standard: USB V2.0 FS + Serial
Optional: USB V2.0 FS + Serial + Bluetooth¹ /
WLAN²

SPP-R310plus:

USB V2.0 FS + Serial + Bluetooth³ / WLAN⁴

Bluetooth¹: V3.0 + EDR

WLAN²: 802.11b/g/n (Infrastructure, Ad-hoc,
Wi-Fi Direct) - WEP40/104, WPA1/2
(PSK, EAP)

Bluetooth³: V4.1 (Classic + LE)

WLAN: 802.11a/b/g/n (Infrastructure, Ad-hoc,
Wi-Fi Direct, SoftAP) - WEP40/104,
WPA1/2 (PSK, EAP)

* Easy Bluetooth Pairing™ via NFC

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

Driver / Utility

Windows Driver, OPOS / JPOS Driver,
Linux / Mac CUPS Driver, Utility Program

SDK / Plugin

Android / iOS / Windows SDK, Linux SDK,
Xamarin SDK, Chrome SDK, Cordova Plugin

Application

mPrint App (iOS), mPrint Server (Windows, iOS)

MDM

BIXOLON Profile Manager
- XPM™, XCM™ (Windows, Android)

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
Optional Unicode supported (UTF-8, UTF-16LE,
UTF-16BE)

Graphics

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

Barcode Symbologies

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 Accessories

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

Optional Accessories

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

Integrated Card Reader (Optional)

MSR

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

Supplies

B-linerless™: BIXOLON's flexible and ecological
linerless label consumables