SPEC SHEET

SPP-R310

3-inch Mobile Receipt Printer



Print Characteristics

Print Method
Direct Thermal
Print Speed
Up to 100 mm/sec (Receipt)
Up to 80 mm/sec (Linerless)
Print Resolution
203 dpi
Print Width
Up to 72 mm
Sensor
Standard: Paper End, Cover Open
Optional: Black Mark/Gap

Media Characteristics

Media Type
Standard: Receipt, Liner
Optional: Linerless
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 (W x L x H)
105 x 126 x 58 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.)
Power (Nominal Capacity)
EnergyStar® Certified, External AC/DC
SPP-R310:
Battery (7.2 V Li-ion, 3200 mAh,
Under 4 Hours Charging Time)

Performance Characteristics

Memory
8 MB SDRAM, 4 MB Flash
Interface
Standard: USB 2.0 FS + Serial
Optional:
① USB 2.0 FS + Serial + Bluetooth®
② USB 2.0 FS + Serial + WLAN

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

Easy Bluetooth Pairing™ via NFC
Port
Power, Serial/USB 14P

Environment Characteristics

Temperature
Operating: -15 to 50°C (5 to 122°F)
Storage: -30 to 70°C (-22 to 158°F)
Humidity
Operating: 10 to 90% RH
Sealing
IP54
Drop Rate
1.8 m (6 ft.)

Software

Emulation
BXL/POS™
Driver/Utility
Windows® Driver, OPOS/JPOS Driver,
Linux®/macOS® CUPS Driver, Utility Program,
Network Auto Installer
Developer Tools
Android™/iOS®/Windows SDK, Linux SDK,
Xamarin® SDK,
Web Print SDK (Android/iOS/Windows/macOS)
Cordova™ Plugin, MAUI SDK, Flutter™ Plugin,
React Native® SDK
Design & Print
mPrint App (Android/iOS)

Fonts/Graphics/Symbologies

Character Size
Font A: 12 × 24 Font B: 9 × 17
Font C: 9 × 24, KOR, CHN, JPN: 24 × 24
Characters Per Line
Font A: 48
Font B, C: 64, KOR, CHN, JPN: 24
Character Sets
Alphanumeric: 95
Expanded Graphics: 128 × 33 Page
International: 32
Optional Unicode Supported
(UTF-8, UTF-16LE, UTF-16BE)
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/Supplies

Included in the Box
Belt Clip, Battery, AC/DC Battery Charger,
Power Cord, Paper
Options & Accessories
Belt/Shoulder Strap, Soft/Protective Case,
USB Charger, Single Battery Cradle,
Quad Battery Charger, Vehicle Charger,
RAM Mount Vehicle Holder,
Vehicle Holder,
Serial Cable (D-Sub 9P(M)-14P,1 m),
USB Cable (A-14P,1 m)
Compatible Supplies
B-linerless™

Integrated Card Reader (Optional)

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

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