

SRP-F310II

3-inch Thermal POS Printer



Print Characteristics

Print Method

Direct Thermal (Front Exit)

Print Speed

Up to 350 mm/sec

Print Resolution

SRP-F310II: 180 dpi (512 dots)

SRP-F312II: 203 dpi (576 dots)

SRP-F313II: 203 dpi (640 dots)

Print Width

SRP-F310II: Up to 72 mm

SRP-F312II: Up to 72 mm

SRP-F313II: Up to 80 mm

Sensor

Paper End, Paper Near End, Cover Open

Media Characteristics

Media Type

Receipt

Media Width

80 mm

Optional 58 mm

Media Roll Diameter

Up to 105 mm

Media Thickness

0.05 to 0.08 mm

Supply Method

Easy Paper Loading

Physical Characteristics

Dimensions (WxLxH)

154 x 203 x 148 mm (6.06 x 7.99 x 5.82 inch)

Weight

2 kg (4.40 lbs.)

Electrical

EnergyStar® Certified,

External Power Supply Housed Internally

(Adapter 24 V/2.5 A, 50/60 Hz)

Drawer Port

2 ports (Via Y-Type Adapter)

Performance Characteristics

NV Image Memory

768 Kbytes (Mono)

Receive Buffer

4 Kbytes

User Define Buffer

12 Kbytes

Interface

Standard: USB 2.0 FS + Ethernet

Optional: ① USB 2.0 FS + Ethernet + Serial

② USB 2.0 FS + Ethernet +

Dual Serial

③ USB 2.0 FS + Ethernet + Parallel

④ USB 2.0 FS + Ethernet + WLAN<sup>1</sup>

⑤ USB 2.0 FS + Ethernet +

Bluetooth®

SRP-F310IIHi (B-gate Hub Interface):

3 USB Type-A (Host, 2.0 HS) +

1 USB Type-B (2.0 HS) + 1 USB Type-A

(Charging only) + Ethernet + WLAN<sup>2</sup>

WLAN<sup>1</sup>: 802.11a/b/g/n (Infrastructure, Ad-hoc, Wi-Fi Direct, SoftAP) - WEP40/104, WPA1/2 (PSK, EAP)

WLAN<sup>2</sup>: 802.11a/ac/b/g/n USB dongle type (Optional)

Environment Characteristics

Temperature

Operating: 0 to 40°C (32 to 104°F)

Storage: -20 to 60°C (-4 to 140°F)

Humidity

Operating: 10 to 80% RH

Storage: 10 to 90% RH

Sealing

IP12

Software

Emulation

BXL/POS™

Driver/Utility

Windows® Driver, OPOS/JPOS Driver,

Linux®/macOS® CUPS Driver,

Virtual COM USB/Ethernet Driver,

Utility Program, Network Auto Installer

SRP-F310IIHi: Utility Program

Developer Tools

Android™/iOS®/Windows SDK, Linux SDK

Xamarin SDK,

Web Print SDK (Android/iOS/Windows/macOS),

Cordova Plugin

SRP-F310IIHi: B-gate iOS/Android/Windows

SDK, Chrome SDK,

B-gate SDK\_Cloud Server Print,

B-gate SDK\_Web App Print,

MAUI SDK, Flutter™ Plugin,

React Native SDK

Design & Print

mPrint App (Android/iOS)

MDM(Optional)

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, JPN: 24 x 24

Characters per Line

SRP-F310II: Font A: 42, Font B, C: 56,  
KOR, CHN, JPN: 21

SRP-F312II: Font A: 48, Font B, C: 64,  
KOR, CHN, JPN: 24

SRP-F313II: Font A: 53, Font B, C: 71,  
KOR, CHN, JPN: 26

Character Sets

Alphanumeric: 95

Extended Graphics: 128 x 35 page

International: 32

Barcode Symbologies

1D: Coda Bar, Code39, Code93,  
Code128, EAN-8, EAN-13, ITF,  
UPC-A, UPC-E

2D: Data Matrix, PDF417, QR Code

Accessories/Supplies

Included in the Box

Paper, AC/DC Adapter, Power Cord,

USB A-A Cable 1.8 m

Options & Accessories

External Buzzer, B-Melodist,

Serial Cable (9-9/25-9 pin),

Parallel Cable