

# RP2F/RP4F SERIES

## Ultra-Rugged Portable Label/Receipt Printer

The RPf Series is a rugged and reliable direct thermal portable label printer that offers easy integrated device management, a high level of security throughout the entire printer lifespan, and upgrades that allow your printers to be updated with enhanced features in direct store delivery, field service, T&L, retail, and airline environments.



This portable printer provides big productivity gains and reduces errors by enabling workers to print labels at the location they need, so labels can be applied when and where they need to be applied. The RPf printer comes with powerful CPU and smart power management – allowing smooth, continuous operation so your workers can work efficiently with less media reloading, battery swaps, and downtime. The RPf Series printer prints 25.4mm (1 in) to 104.1 mm (4.1 in) labels/receipts and can accommodate a wide variety of media, including the heavy stock necessary for hang tags and specialty label needs. Plus, its fast and easy-loading design means fewer interruptions and increased productivity in your application, whether using one type of media or several. The RPf Series has the latest 802.11 a/b/g/n/ac Wi-Fi capabilities for the best range and fast data communications on your WLAN. It also includes a Bluetooth 5.0 LE radio at no additional charge for when workers are outside of WLAN range or using the printer with a Bluetooth mobile computer.

*The RPf Series mobile thermal printers are built for the most rugged environments, offering exceptional media and battery capacity, quiet operation, and excellent value to help operations increase efficiency and minimize downtime.*

Built on Honeywell's software platform, the RPf printer offers IT managers easy integrated device management, a high level of security throughout the entire printer lifespan, and upgrades that allow your printers to be updated with enhanced features.

## FEATURES AND BENEFITS



Ultra-rugged: survives 2 m (6.6 ft) drops and 1,000 0.5 m (1.6 ft) tumbles, has an IP54 rating for dust and moisture ingress, and operates over a wide temperature range.



Lightweight, ergonomic design allows workers to carry and operate the printer with ease.



High-discharge current lithium-ion cell battery can be swapped without resetting the printer or losing connectivity.



Operational Intelligence solution provides analytics to help manage, track, and optimize printer assets, enabling proactive maintenance and replacement.



The printer provides superior media capacity and supports labels with/without a liner; can also sense gaps between labels or black marks on the top or bottom of media.

# RPf Portable Printer Series Technical Specifications

## PHYSICAL CHARACTERISTICS

### RP2f – 2 in:

**Dimensions (H x W x D):** 160 mm x 116 mm x 77 mm (6.3 in x 4.6 in x 3.0 in)

**Printer Weight:** 0.72 kg (1.5 lb)  
(with battery, no media)

### RP4f – 4 in:

**Dimensions (H x W x D):** 187 mm x 164 mm x 77 mm (7.36 in x 6.46 in x 3.0 in)

**Printer Weight:** 1.02 kg (2.24 lb)  
(with battery, no media)

## MEDIA

### Media Roll Width:

**RP2f:** 25 mm (1.0 in) to 57 mm (2.25 in)

**RP4f:** 51 mm (2.0 in) to 111 mm (4.4 in)

### Maximum Print Width:

**RP2f:** 48 mm (1.89 in)

**RP4f:** 104 mm (4.1 in)

**Media Types:** Tags, receipt paper, labels, lined and linerless\* labels with black mark or gap sensing

**Maximum Roll Capacity:** 58 mm (2.25 in) outside diameter

**Core Sizes:** 10.16 mm (0.4 in), 19 mm (0.75 in), or 25.4 mm (1.0 in) inside diameter

**Media Thickness:** 0.05 mm (2 mil) to 0.16 mm (6.3 mil)

For optimum print quality and printer performance, use certified Honeywell media supplies.

## POWER SOURCE

**Batteries:** 7.2V Lithium-ion (Li-ion)

**RP2f:** 2500 mAh with battery age LED indicator

**RP4f:** 4900 mAh with battery age LED indicator

**DC Inputs (for charging only):** 12–15V, built-in spike and surge protection

**Hot-Swappable Battery (maintains wireless connection):** Bluetooth and Wi-Fi configurations up to 20 seconds

**SMART Battery:** to SBS Rev 1.1

**Charge Time:** Typical

**RP2f:** 4 hours

**RP4f:** 7 hours

**Battery Eliminator:** SKU optional for printers used permanently inside a vehicle

## ENVIRONMENTAL

**IP Rating:** IP54

**Drop Specification:** 2 m (6.6 ft)

**Tumble Test:** 1,000 cycles at 0.5 m (1.6 ft)

**Operating Temperature:** -20°C to 55°C (-4°F to 131°F)

**Storage Temperature:** -30°C to 65°C (-22°F to 149°F)

**Charging Temperature:** 0°C to 40°C (32°F to 104°F)

**Operating Humidity:** 10% – 90% (non-condensing)

**Storage Humidity:** 10% – 90% (non-condensing)

## ACCESSORIES

**Carriage:** Belt clip, heavy-duty velcro belt mount, shoulder strap, hand strap, environmental soft case

**Mounting:** Single mount with MFxT adapter; single mount with wall adapter plate kit; settlement room 5-mount includes charger and single vehicle mount with RAM arm

## COMMUNICATIONS

**USB 2.0:** Includes On-The-Go (OTG) capabilities for scanner, scale, and keyboard input

**NFC:** For pairing

**Bluetooth:** Bluetooth 5.0 + LE dual radio mode; serial port profile, security modes 1-4, encryption 1-3e, Apple iOS compatible

**802.11 a/b/g/n/ac and Bluetooth with dual radio mode; wireless access modes:** Infrastructure and ad hoc

**Internet Protocols Supported:** UDP/TCP, DHCP, BootP, FTP, FTPS, SFTP, TFTP, Telnet, LDP, SNMP

	WEP	WPA	WPA2&WPA3
<b>MODES</b>		PSK/Enterprise	
<b>SECURITY/ ENCRYPTION</b>	64/128	TKIP/RC4	CCMP/AES
<b>AUTHENTICATION</b>	LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP, EAP-TLS		

## MEMORY

64 MB SDRAM, 2 GB Flash memory

## SOFTWARE/FIRMWARE

Printer Command Languages:  
FP/DP (Fingerprint / Direct Protocol)  
DPL (Datamax Printer Language)  
ZPL II (Zebra Printer Language)  
IPL (Intermec Printer Control Language)  
XML Printing  
C#  
PDF  
CPCL  
EZ-Print

**Configuration Tool :** PrintSet 5, PrintSet MC

**Device Management Compatibility:** PrintSet 5, PrintSet MC

**Remote Management:** Operational Intelligence, SOTI

**Network Compatibility:** TCP/IP based networks; AS/400 (LPD)-based networks

**Drivers:** Microsoft® Windows® XP/ Vista/7/8, and 10

**Label-Design Software Compatibility:** BarTender, Niceware/NiceLabel, and others

**ERP Systems Compatibility:** SAP, Oracle

**Software Development Kit:** Android 4.0 and above. Apple iOS 10.3 and above. Microsoft Window 10 and above.

## USAGE FEATURES

**Intelligent Backlit Icons:** On/Off Button, Battery Charge, Battery Life, Media Status, Communication Status

**Media:** Drop-in/easy-to-load media, adjustable media arms, 4 in printer fan fold slot

**Proactive Maintenance:** Sensors for reporting printer usage information (battery, printhead, environmental) and management console

**\* For use in RP Series printers equipped with linerless option only**

## For more information

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