

RP2F/RP4F SERIES

Ultra-Rugged Portable Label/Receipt Printer

The RPf Series is a rugged and reliable direct thermal portable label printer that delivers industry-leading paper capacity and a Hi-drain, high power efficiency battery for increased print output in direct store delivery, field service, eCitation, 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 to be applied when they need to be applied. Unlike other mobile printers on the market, the RP4f printer offers almost 2X the print speed media capacity, a one-point ANSI print quality improvement, and superior battery power longevity with our new Hi-drain battery – ensuring smooth, continuous operation so your workers can work efficiently with less media reloading, battery swaps, and downtime. The RPf Series printer prints 25.4 mm (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 fastest data communications on your WLAN. It also includes a Bluetooth 5.1 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.

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 5.1 + 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
MODES			PSK/Enterprise
SECURITY/ ENCRYPTION	64/128	TKIP/RC4	CCMP/AES
AUTHENTICATION		LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP	

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 Windows 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

sps.honeywell.com

www.android.com/AER

Honeywell Safety and Productivity Solutions

855 S Mint St

Charlotte, NC 28202

800-582-4263

www.honeywell.com

Adobe, Apple, SAP, Oracle, Windows, Linux, Android, Bluetooth are trademarks or registered trademarks of their respective owners.

RPf Series Portable Printer Datasheet LTR | Rev A | 04/22
©2022 Honeywell International Inc.

Honeywell