RP2F/4F SERIES

Ultra-Rugged Portable Label and Receipt Printer

The RPf direct thermal series of printers are rugged, reliable, and portable, ideal for direct store delivery, field service, T&L, retail, and airline environments. They are designed to be easily integrated, enhance security throughout their lifecycle, and can be upgraded with enhanced features.



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.

The RPf series of printers 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. RPf printers come 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 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 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 classic and BLE dual radio at no additional charge for when workers are outside of WLAN range or using the printer with a Bluetooth mobile computer.

Built on the Honeywell Printer Edge™ 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.

The battery can be swapped in 20 seconds without powering off the printer or losing connectivity.

Honeywell Printer Edge is a smart, connected printer platform with easy setup, quality output, enhanced security, and the simplicity of a single software toolkit for your printer network.

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

Honeywell

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)

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)

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

PRINT SPECIFICATION

Method: Direct Thermal

Resolution: 203 dpi (8 dots / mm)

Print Speed: Up to 5 inch (127 mm) per second

Print Length: 991 mm (39 in)

Maximum Print Width:

RP2f: 48 mm (1.89 in)

RP4f: 104 mm (4.1 in)

Sensing: Black mark sensor (Top and Bottom) Gap sensor

Memory: 256MB SDRAM, 4 GB Flash Memory

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)

Media Types: Tags, receipt paper, labels, linered and linerless* labels

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

Hot-Swappable Battery: Maintains wireless Bluetooth and Wi-Fi connection 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

Environmental Sealing: IP54

Drop Spec: 2 m (6.6 ft)

Tumble Spec: 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)

Humidity: 10% – 90%, non-condensing

COMMUNICATIONS

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

NFC: For pairing

Bluetooth: Bluetooth 5.0 (Classic and BLE dual radio mode); serial port profile, security modes 1-4, encryption 1-3e, Apple iOS compatible

WLAN:

Network Standard: 802.11 a/b/g/n/ac

Wireless Access Modes: Infrastructure and Soft AP

Security Protocols: WEP (64/128),WPA (TKIP/RC4) and WPA2/3 (CCMP/AES)

Authentication: LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP, EAP-TLS

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

SKU optional for Bluetooth Only or Dual (Bluetooth + WLAN)

BARCODES/FONTS/GRAPHICS

Barcode Symbologies: All major 1D and 2D symbologies are supported

Standards Supported: UPC/EAN Shipping Container, UCC/EAN 128, Serial Shipping Container, MH10.8 Shipping Label, AIAG (Shipping parts label), OGMARS, POSTNET, HIBCC, ISBT 128, GM1724, UPS Shipping Label, Global Transport Label

Fonts: Monotype font engine
Non-Latin fonts available through WTLE

Graphics: Supports PCX, PNG, GIF and BMP file formats; other formats supported with Label Generation Tools

SOFTWARE

Printer Command Languages: Fingerprint (FP), Direct Protocol (DP), Intermec Printer Language (IPL), ZSim2 , DPL, XML-enabled for SAP All and Oracle WMS, PDF, CSim, EZ-Print, C#

Applications/Drivers: InterDriver Windows printer driver, CUPS driver for Linux, Honeywell Device Types for SAP, Honeywell label design and print package

Smart Printing Languages: C# for Printers: Honeywell Smart Printing Developer Resource Kit; write apps with .NET compatible development environments

Configuration and Device Management

Support: PrintSet6 (Windows), Print Set MC (Android™ and Apple® iOS)

Remote Management: Operational Intelligence, SOTI® Connect

Software Development Kit: Android 4 and above iOS 11 and above, JAVA based application

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

ACCESSORIES

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

Mounting: Single mount with wall adapter plate kit; Multi charger 5-up settlement room kit; Single vehicle mount with RAM arm; Four-bay battery / device charging dock kit

REGULATORY APPROVALS

RoHS Compliant, CE (EN55032 Class B), FCC Class B, CB, cTUVus, etc.

PRODUCT WARRANTY

Two-year factory warranty

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

For a complete listing of all compliance approvals and certifications, please visit www.honeywell.com/PSScompliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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