Honeywell
THE POWER OF CONNECTED | Mobile Printers

RP Series

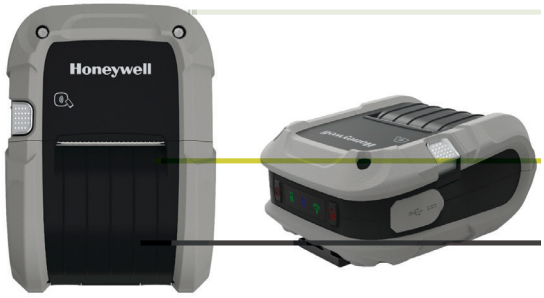
Rugged Mobile Printers

The RP Series mobile printers offer the most rugged and reliable performance for route accounting, direct store delivery, citation printing, car rental return receipts and field service workers. Frequent drops, vibration and exposure to dust and water are just a few examples of the regular abuse that mobile printers endure. The RP Series printers are designed to withstand these harsh conditions and give you years of reliable thermal receipt and label printing.

The RP Series mobile printers are built for the most rugged environments with a wide temperature spec and IP54 rating for dust and moisture ingress. They are optimized for all-day receipt printing at up to five inches per second and are designed for label printing as well. The RP Series comes in different print widths to match your particular application, and each version can print a range of print widths as well.

All versions come with a rechargeable battery that can be charged inside or outside the printer and was designed to last a full shift for most use cases. When a battery needs to be changed during a shift, it is hot-swappable. The printer can run for 20–120 seconds (depending on wireless communications) without a battery and not lose connectivity or need a restart, thus enhancing productivity. For applications where the printer is permanently mounted in a vehicle and to power, a battery eliminator option is available.

The printer also tracks its health and provides analytics related to the battery age, printhead condition and any unusual or extreme environmental conditions the printer has encountered. This allows you to manage your fleet of printers and get the maximum uptime.



The RP2 and RP4 are fast mobile thermal printers for use in the most rugged environments. They feature the latest wireless technology for easy, untethered use, increasing worker productivity.

Accessories include a variety of mounting solutions to meet your application requirements. The RP Series printers use the same mounting attachment as the widely used MFxT printers to allow the printer to drop into current installations with a retrofit adapter. The printers are also compatible with all popular thermal printer languages and protocols.

FEATURES & BENEFITS

Ultra-rugged design: 2 m (6.6 ft) drop tested, tested to 1000 0.5 m (1.5 ft) tumbles, IP54 dust and moisture ingress and wide operating temperature range.

Fast boot up and prints receipts up to five inches per second.

High-capacity battery that can be swapped out without resetting the printer or losing connectivity. Battery age provided as part of printer analytics.

The printers can support labels with and without a liner, and sense gaps between labels or black marks on the top or bottom of the media.

Analytics on battery age, printhead condition and environmental history of printers can help you plan for proactive maintenance and replacement.

RP Series Technical Specifications

MECHANICAL

RP 2 (2 inch) Printer:

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 (1.58 lb) (with battery, no media)

RP 4 (4 inch) Printer:

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 (2.25 lb) (with battery, no media)

MEDIA

Media Roll Width:

RP2: 25 mm (1.00 in) to 57 mm (2.25 in)

RP4: 51 mm (2.00 in) to 111 mm (4.4 in)

Maximum Print Width:

RP2: 48 mm (1.89 in)

RP4: 104 mm (4.1 in)

Media Types: Receipt paper, linered 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.

COMMUNICATIONS

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

NFC, for pairing and retrieving configuration and diagnostic information

Bluetooth®: Bluetooth 4.0 + LE dual radio mode; serial port profile, security modes 1-4, encryption 1-3e, Apple® iOS compatible

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

	WEP	WPA	WPA2
MODES		PSK/Enterprise	
SECURITY/ENCRYPTION	64/128	TKIP/RC4	CCMP/AES
AUTHENTICATION	LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP		

Internet Protocols Supported: UDP/TCP, DHCP, BootP, FTP, FTPS, SFTP, TFTP, Telnet, LDP, SNMP; remote and Auto Update features supported; 802.11i

ENVIRONMENTAL

Meets IP54 dust and water ingress rating

Drop Specification: 2 m (6.6 ft)

Tumble Test: 1000 cycles at 0.5 m (1.5 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 50°C (32°F to 122°F)

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

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

SOFTWARE/FIRMWARE

NETira Configuration Tool – complete printer setup utility

Control Language Compatibility: Line Printer Mode, Easy Print, DPL, ZPL II, CPCL, IPL, XML (limited)

Device Management Compatibility: NETira

Remote Management: monitor and manage printers; NETira MD: mobile device management utility for smart mobile devices; AirWatch® Mobile

Device Management: Wavelink® Avalanche MC, Soti Mobilink

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™ 2.1 and above; Apple iOS 5, 6 and 7; Microsoft Windows Desktop up to Windows 8, Windows 8 Store, Windows Mobile and Windows CE; C++, C-Sharp, Java, ActiveX Control

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

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RP Series Technical Specifications

ACCESSORIES

Connection: USB Communications Cable for configuration

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, single vehicle mount with RAM arm

Batteries and Charging: Spare batteries; AC adaptors for US, EU, UK, AU; cigarette adaptor vehicle charger; four-bay smart battery charger

BATTERY/BATTERY ELIMINATOR

Hot-Swappable Battery (maintains wireless connection): Bluetooth configurations up to 2 minutes; Wi-Fi configurations up to 20 seconds

Smart Battery: to SBS Rev 1.1

Capacity: RP2 2600 mA-Hr, RP4 5200 mA-Hr

Charge Time: Typical 4 hours for RP2 and 7 hours for RP4

Battery Eliminator: SKU option for printers used permanently inside a vehicle

AGENCY

The RP Series printers are certified for use in the following countries:

North America: U.S. and Canada

Europe: EU Countries, EFTA Countries, United Kingdom, CU countries

Middle East, Turkey and Africa: Israel, South Africa, UAE, Saudi Arabia, Turkey

Central America: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama

South America: Venezuela, Colombia, Brazil, Peru, Bolivia, Chile, Argentina, Uruguay, Paraguay

APAC Region: Australia, New Zealand, Cambodia, Indonesia, Malaysia, Philippines, Singapore, China, Hong Kong, Japan, South Korea, Taiwan, India, Thailand, Vietnam

Some approvals and features may vary by country and may change without notice.

Specs may vary based upon the specific configuration or features selected. Please check with your local Honeywell sales office for further information.

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For more information

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