

RXMOD-RXW-900 • RXMOD-RXW-868 • RXMOD-RXW-922 • RXMOD-RXW-921



HOBOnet Manager

A wireless manager module for installation in a HOBOnet RX3000 monitoring station

Important Information

A complete system requires at least one HOBOnet RX3000 Remote Monitoring Station, a HOBOnet Wireless Manager (RXMOD-RXW-xxx), and a HOBOnet Wireless Sensor. HOBOnet Wireless Repeaters (RX-RPTR-xxx) can be added to extend the range.

Features

- 900 MHz wireless mesh self-healing technology
- 450 to 600 meter (1,500 to 2,000 feet) wireless range and up to five hops
- Up to 50 wireless sensors per RX3000
- Plugs into RX3000 flex port

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100



Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Bourne, MA 02532

HOBOnet Manager (RXMOD-RXW-xxx) Specifications

Wireless Mote

| | |
|------------------------------------|---|
| Operating Temperature Range | -25° to 60°C (-13° to 140°F) |
| Radio Power | 12.6 mW (+11 dBm) non-adjustable |
| Transmission Range | Reliable connection to 457.2 m (1,500 ft) line of sight at 1.8 m (6 ft) high Reliable connection to 609.6 m (2,000 ft) line of sight at 3 m (10 ft) high |
| Wireless Data Standard | IEEE 802.15.4 |
| Radio Operating Frequencies | RXMOD-RXW-900: 904–924 MHz RXMOD-RXW-868: 866.5 MHz RXMOD-RXW-921: 921 MHz RXMOD-RXW-922: 916–924 MHz |
| Modulation Employed | OQPSK (Offset Quadrature Phase Shift Keying) |
| Data Rate | Up to 250 kbps, non-adjustable |
| Duty Cycle | <1% |
| Maximum Number of Motes | 50 motes per one RX Wireless Sensor Network |
| Power Source | Powered by the RX3000 station |
| Dimensions | Mote: 16.2 x 8.59 x 4.14 cm (6.38 x 3.38 x 1.63 inches) Cable length: 2 m (6.56 ft) |
| Weight | Mote: 159 g (5.62 oz) |
| Materials | Mote: PCPBT, silicone rubber seal |
| Environmental Rating | Mote: IP67, NEMA 6 |
| Compliance Marks | Page not found or type unknown FCC Logo RXMOD-RXW-900 Page not found or type unknown RXMOD-RXW-868  RXMOD-RXW-921  RXMOD-RXW-922 |