



## RXMOD-RXW-xxx

### HOBOnet Manager

The HOBOnet Wireless Manager module is installed in an RX3000 station. Data is transmitted wirelessly from sensors across the network to the RX3000 station and then uploaded to HOBOLink, Onset's innovative cloud-based software platform.

#### Product Numbers:

RXMOD-RXW-900

RXMOD-RXW-868

RXMOD-RXW-922





RXMOD-RXW-921

#### Key Advantages:

- 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



Wireless Mote

<b>Operating Temperature Range</b>	-25° to 60°C (-13° to 140°F)
<b>Radio Power</b>	12.6 mW (+11 dBm) non-adjustable
<b>Transmission Range</b>	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
<b>Wireless Data Standard</b>	IEEE 802.15.4
<b>Radio Operating Frequencies</b>	RXMOD-RXW-900: 904–924 MHz RXMOD-RXW-868: 866.5 MHz RXMOD-RXW-921: 921 MHz RXMOD-RXW-922: 916–924 MHz
<b>Modulation Employed</b>	OQPSK (Offset Quadrature Phase Shift Keying)
<b>Data Rate</b>	Up to 250 kbps, non-adjustable
<b>Duty Cycle</b>	<1%
<b>Maximum Number of Motes</b>	50 motes per one RX Wireless Sensor Network
<b>Power Source</b>	Powered by the RX3000 station
<b>Dimensions</b>	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)
<b>Weight</b>	Mote: 159 g (5.62 oz)
<b>Materials</b>	Mote: PCPBT, silicone rubber seal
<b>Environmental Rating</b>	Mote: IP67, NEMA 6
<b>Compliance Marks</b>	 RXMOD-RXW-900  RXMOD-RXW-868  RXMOD-RXW-921  RXMOD-RXW-922

## Contact Us

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

- ▶ Email [sales@onsetcomp.com](mailto: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 6pm ET, Monday through Friday)

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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