

# Wireless Repeater

## OMWT-REP-900

**\$455**

Basic Unit



- ✓ **418 MHz Receiver—**  
Range up to 180 m (600')
- ✓ **Built in 900 MHz**  
**Frequency Hopping**  
**Radio for Long-Range**  
**Wireless Interface**
- ✓ **Transceiver Range**  
**Indoor: 180 to 396 m**  
**(600 to 1300'); 900 MHz**
- ✓ **Transceiver Range**  
**Outdoor (with Omni-**  
**Directional Antenna):**  
**11 Km (7 Miles; 900 MHz)**
- ✓ **Supports all OMWT**  
**Series Wireless**  
**Transmitters**  
**(Temperature, Humidity,**  
**Analog, Motion,**  
**Vibration)**
- ✓ **Transceiver Range**  
**Outdoor (with High Gain**  
**YAGI Antenna): 32 Km**  
**(20 Miles; 900 MHz)**

The OMWT-REP-900 Wireless Repeater is a 418 MHz RF receiver with an integrated 900 MHz transceiver. It receives CRC-16 error-checked data packets from all OMWT Series 418 MHz Wireless Transmitters and other 900 MHz transceivers within its range, and then transmits the data via the built-in 900 MHz radio to an OMWT-XREC-SER or OMWT-XREC-MOD receiver. Data received by the OMWT-XREC-SER receiver with serial interface can be displayed and logged using the OMWT-SOFT Windows Software.

By utilizing 900 MHz frequency, the OMWT-REP allows the range of the OMWT Series Wireless Transmitters to be extended up to 395 m (1300') indoors and up to 32 km (20 miles) outdoors.

The OMWT-REP-900 repeater is supplied standard with a 1/2 wave monopole antenna. For longer distance outdoor use, optional Omni-Directional and YAGI directional line-of-site antennas are available.

Since the radio transceivers can be individually addressed for networks, several OMWT-REP repeaters can be used to link clusters of OMWT Series Wireless Transmitters to a centrally located OMWT-XREC-SER or OMWT-XREC-MOD receiver.

### Specifications

**Receiver Frequency:** 418 MHz or 900 MHz

**Transceiver Frequency:** 900 MHz

**Receiver Range:** 180 m (600')

**Transceiver Range Indoor**

**(with Standard 1/2 Wave Monopole Antenna):** 180 to 396 m (600 to 1300'), 900 MHz

**Transceiver Range Outdoor (with Optional Omni-Directional Antenna):** Up to 11 km (7 mi), 900 MHz

**Transceiver Range Outdoor (with Optional High Gain YAGI Antenna):** Up to 32 km (20 mi), 900 MHz

**Power:** 6 to 24 Vdc at 200 mA transmitting, 70 mA receiving

**Operating Temperature:** 0 to 70°C (32 to 158°F)

**Storage Temperature:** 0 to 70°C (32 to 158°F)

**Humidity:** 10 to 90% RH non-condensing

**Dimensions (without antenna):** 83 x 83 x 34 mm H

(3.3 x 3.3 x 1.35" H)

**Weight:** 200 kg (7 oz)



OMWT-REP-900, \$455, shown larger than actual size

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

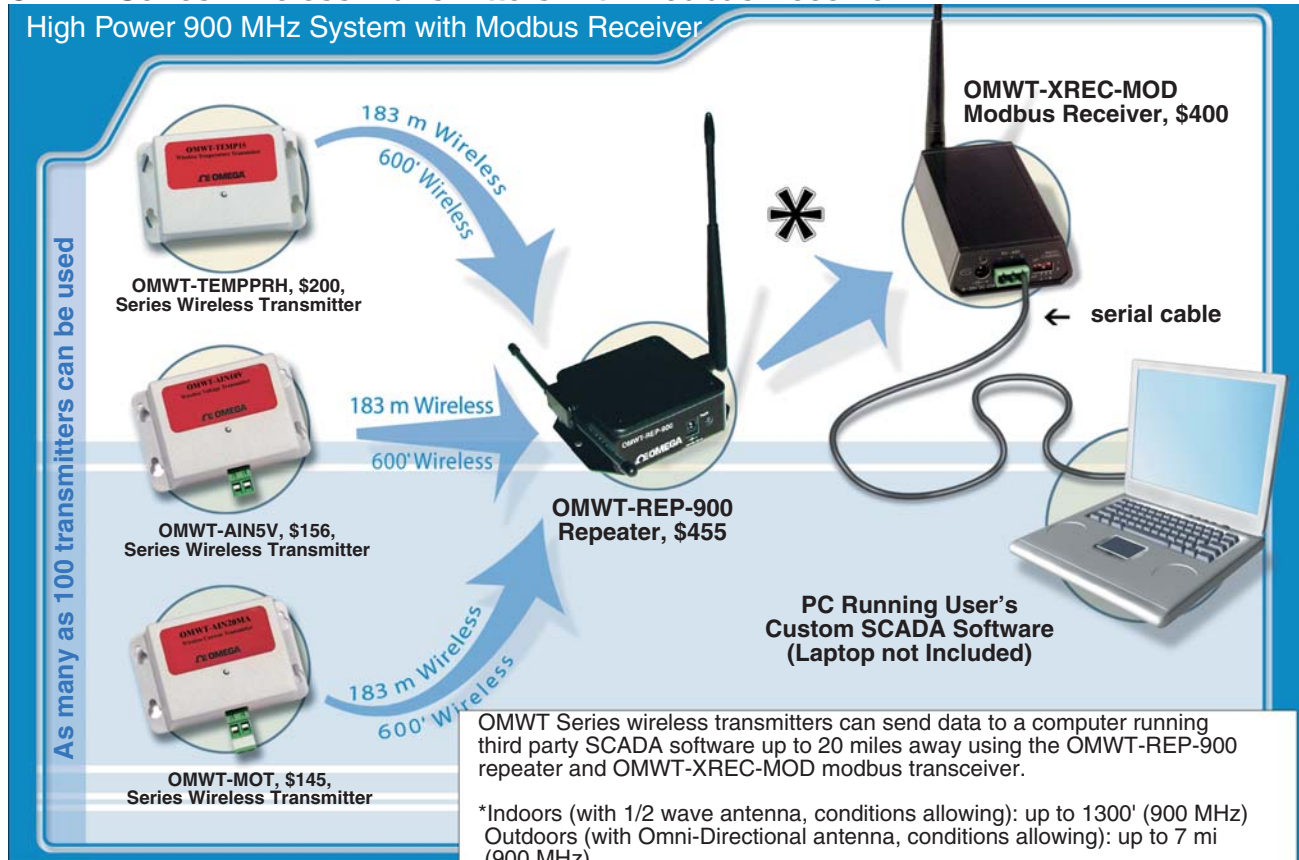
Model No.	Price	Description
OMWT-REP-900	\$455	Wireless repeater, 900 MHz transceiver
OMWT-YAGI-900-20	330	900 MHz YAGI antenna with 6.1 m (20') cable*
OMWT-OMNI-900-20	330	900 MHz Omni-Directional antenna with 6.1 m (20') cable*

*Each wireless repeater includes 1/2 wave antenna and 110 Vac adaptor and complete operator's manual. \* Additional antennas are available. Contact the Data Acquisition Engineering Department.*

**Ordering Example:** OMWT-REP-900 wireless repeater with 900 MHz transceiver, \$455.

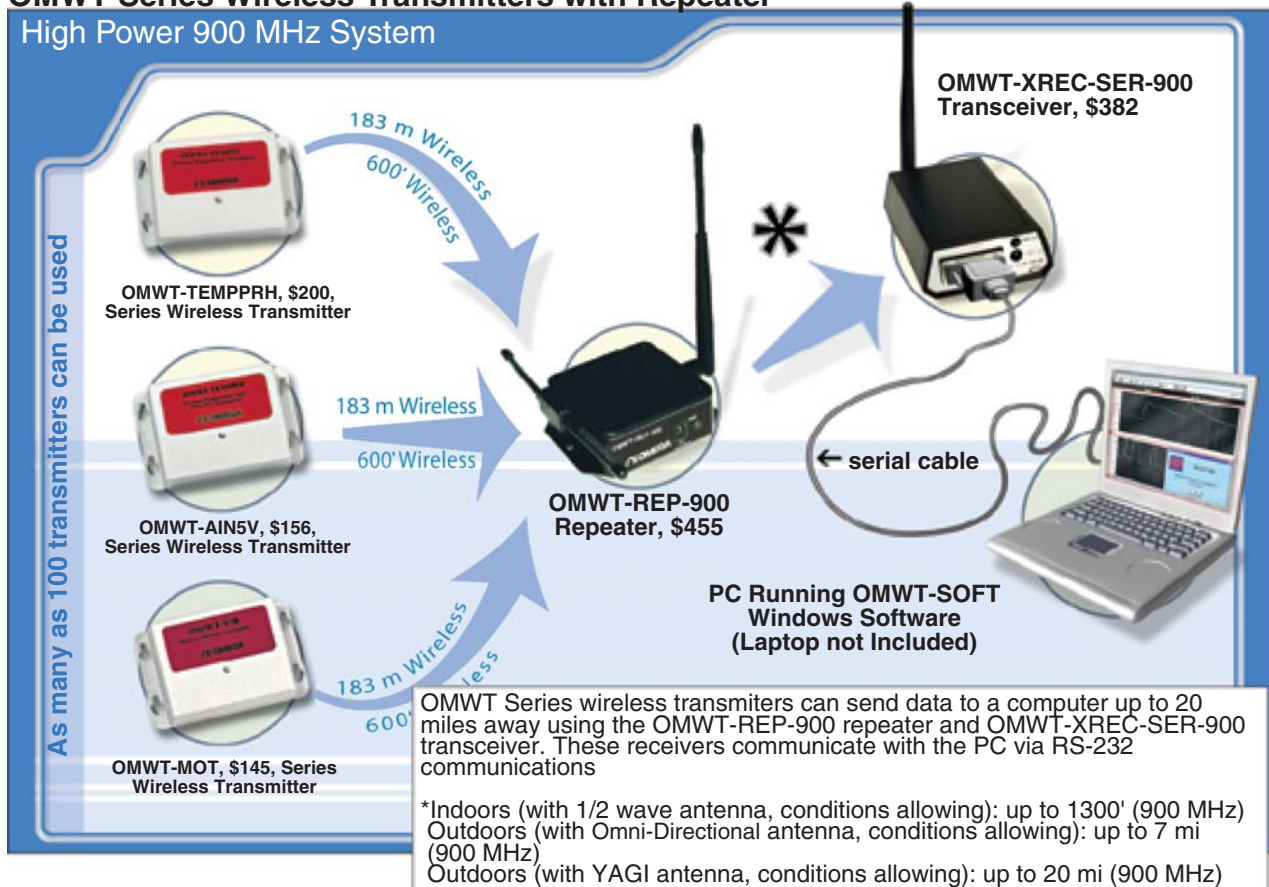
## OMWT Series Wireless Transmitters with Modbus Receiver

High Power 900 MHz System with Modbus Receiver



## OMWT Series Wireless Transmitters with Repeater

High Power 900 MHz System





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1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

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Laval(Quebec)  
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### • Heaters

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