

Wireless Range Extender - WRE

The WRE adds up to 1,000 feet direct line of sight range to a WDWi system. The WRE can both send and receive signals, allowing this distance to compound exponentially. This means for every range extender you add to the WDWi system, you add another 1,000 feet of distance to your system - the more range extenders you add, the more this distance multiplies. So if you add three range extenders to your system, you can gain up to 3,000 feet direct line of sight distance to your WDWi system, significantly increasing the distance you can cover between your system's manager and sensors.



Features

- Use in conjunction with the WDWi and sensors to exponentially increase transmission range:
 - Add up to 1,000 feet (305m) direct line of sight with each range extender
- Includes a wide range power supply
- Wall mount brackets allow you to mount the RXT in an unobtrusive yet effective location.
- External antennas included for maximum signal coverage.



- ① Status LEDs
- ② Wireless Ports A, B and C
- ③ USB Connection

Wireless Range Extender Specifications

Power	5VDC @ 400mA max
Included Equipment	WRE, PSWA-DC-5 power supply, antennas, wall mount brackets
USB Communication Port	Serial port emulation for firmware upgrades and diagnostics
Range	Up to 1,000 ft (305m) indoors, direct line of sight to WDWi or another WRE Up to 600 ft (183m) direct line of sight to WDWi sensors Up to 270ft (82.3m) through one wall to WDWi sensors Up to 100 ft (30.5m) through multiple walls to WDWi sensors
Operating Environment	
Temperature	32°F to 140°F (0°C - 60°C)
Humidity	5% to 95% RH (Non-condensing)
Altitude	15,000 ft (4572m) max.
Storage Temperature	-4°F to 185°F (-20°C - 85°C)
Mounting	Freestanding, wall mount (included)
Dimensions and Weight	4.5"W x 4.8"D x 1.6"H (11.4cmW x 12.2cmD x 4.1cmH), 1.2lb (0.534kg)
Certifications	ETL listed; conforms to UL 61010-1, EN 61010; EN 61326-1; EN 301489-1; EN 301489-3; certified to CSA C22.2 NO, 61010.1; RoHS compliant; FCC ID: XTJ-A11072401 and MCQ-XB900HP; IC: 8975A-A11072401 and 1846A-XB900HP

Wireless Temperature Sensor & Wireless Temperature/Humidity Sensor Specifications

Power	3.6V AA lithium battery
Battery Life	Up to 5 years when system spans full operating temperature range. Up to 8 years at room temperatures up to 122°F (50°C) Up to 12 years at room temperature
Shelf Life	10 years in quiescent mode with battery installed
Transmission	
Interval	10-20 seconds (random)
Frequency	868 or 900 MHz
Range	Up to 800 ft line of sight
Accuracy	
Temperature	+/- 0.2°C at room temperature; +/- 0.5°C over full operating range
Humidity	+/- 2% over full operating range
Operating Environment	
Temperature	-13°F to 167°F (-25°C - 75°C)
Altitude	-200 ft to 15,000 ft (-70m to 4572m) max.
Mounting	Free standing, magnets (included), 1U screw, mini din rail, zip ties
Dimensions and Weight	2.8"L x 1.1"W x 1.1"H (7.1cmL x 2.8cmW x 2.8cmH), 0.08lb (0.036kg)
Certifications	FCC ID: X7J-A11072401; IC: 8975A-A11072401

