Wireless Range Extender

FEATURES

- **Extends the range of Cypress Envirosystems' industrial wireless network**

- **Uses robust and highly optimized industrial DSSS radio and protocol with antennae and frequency diversity**

- **Standard 110-240VAC powered**

- **Wirelessly connects to Cypress Envirosystems' Industrial Green Box**

- **No new software to install**

- **FCC, RoHS and ETSI compliant**

- **Optional NEMA4/IP66 ruggedized enclosure for industrial environments**

Extend the wireless signal coverage for Cypress Envirosystems' industrial devices

Cypress Envirosystems' industrial field devices include the Wireless Gauge Reader, Wireless Transducer Reader, Wireless Freezer Monitor, and Wireless Steam Trap Monitor. These devices enable facilities to capture analog data from needle gauges and transducers and to assess the health of research freezers and steam systems.

The Wireless Range Extender (WRE) is used to extend the range of the wireless network. When the USB hub is located out of radio frequency range of the industrial field devices, multiple WREs can be used to extend the range for adequate wireless coverage.

KEY PRODUCT SPECIFICATIONS

Wireless Range Extender (WRE-100-001)

Wireless Frequency:	2.4GHz Direct Sequence Spread Spectrum, 100mW peak output
Wireless Range:	Up to 1600ft (488m), high interference immunity, extendable with repeaters
Wireless Protocol:*	Cypress Semiconductor's highly optimized industrial DSSS radio and protocol. Integrates robust security, antenna and frequency diversity, optional encryption and minimal interference with existing wireless systems. (For additional details, please see FAQ at www.cypressenvirosystems.com)
Approvals:	FCC Class B compliant, RoHS, ETSI compliant
Power Supply:	Standard 110-240VAC
Humidity:	10-99%RH, non-condensing
Operating Temperature:	-4°F to 158°F (-20°C to 70°C)
Storage Temperature:	-40°F to 185°F (-40°C to 85°C)
Enclosure:	Rugged extruded aluminum industrial chassis (optional NEMA4/IP66 enclosure)
Dimensions:	5.7" x 2.2" x 1.6" (145mm x 57mm x 42mm)
Weight:	0.51 lbs (230g)

*All wireless devices use Cypress Semiconductor's industry-leading frequency agile protocols providing unmatched interference immunity and co-location capabilities.

OUR FAMILY OF PRODUCTS:

| WIRELESS PNEUMATIC THERMOSTAT (WPT) | WIRELESS GAUGE READER (WGR-100) | WIRELESS STEAM TRAP MONITOR (WSTM-100) | WIRELESS FREEZER MONITOR (WFM-100) | WIRELESS TRANSDUCER READER (WTR-100) |

HEADQUARTERS

5883 Rue Ferrari, suite 100

San Jose, CA 95138

1-800-544-5411 (US and Canada)

www.cypressenvirosystems.com

info@cypressenvirosystems.com