FEATURES

- **Wireless transmission of data from existing transducers**

- **Up to two transducer inputs per Wireless Transducer Reader**

- **Support for various analog inputs (0-5V, 0-10V and 4-20mA)**

- **Robust WirelessUSB wireless radio and protocol - up to 300m, high interference immunity**

- **Single one-time calibration and setup**

- **Standard 110-240VAC powered or optional battery**

- **Optional NEMA 4/IP65 ruggedized enclosure for industrial environments**

- **Wireless data connects seamlessly to any Cypress Systems Receiver**
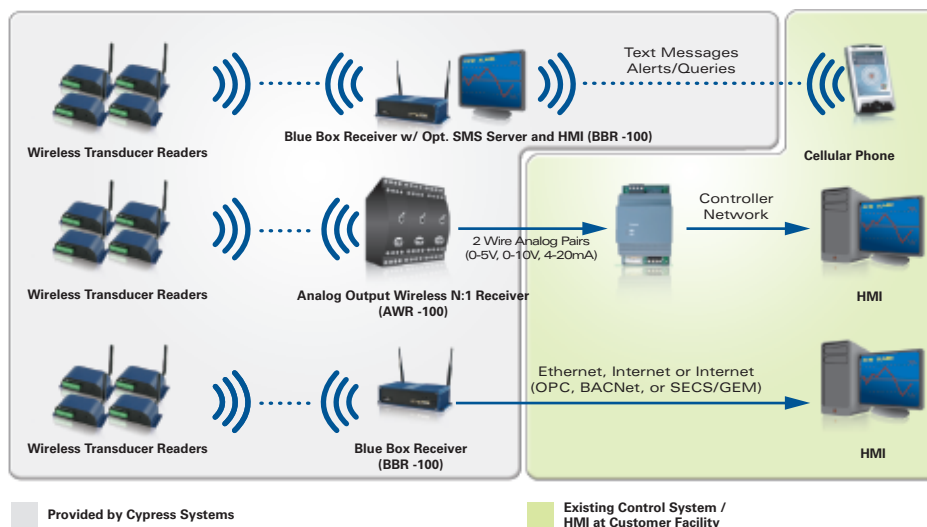
- **RoHS compliant**

Non-invasively connect your legacy standalone transducers via wireless to your existing PC, data acquisition or automation system so you can capture and store readings

- Keep your existing reliable transducers (particle counter, pressure, temperature, etc..)
- Eliminate "rounds" to collect readings
- Trend, monitor and alarm transducer readings before problems occur

The Cypress Systems Wireless Transducer Reader (WTR) provides an inexpensive solution to connect your existing standalone transducers to your current monitoring and control systems.

Installation and setup are easy. Simply connect any standard analog output (0-5V, 0-10V, 4-20mA) from your existing transducer to the WTR. Once the WTR is connected, it will transmit the readings wirelessly at a configurable update rate.

Wireless Transducer Reader Configurations

Text Messages Alerts/Queries

Blue Box Receiver w/ Opt. SMS Server and HMI (BBR -100)

Wireless Transducer Readers

Cellular Phone

2 Wire Analog Pairs (0-5V, 0-10V, 4-20mA)

Controller Network

Wireless Transducer Readers

Analog Output Wireless N:1 Receiver (AWR -100)

HMI

Ethernet, Internet or Internet (OPC, BACNet, or SECS/GEM)

Wireless Transducer Readers

Blue Box Receiver (BBR -100)

HMI

Provided by Cypress Systems

Existing Control System / HMI at Customer Facility

KEY PRODUCT SPECIFICATIONS

WIRELESS TRANSDUCER READER

Analog Data Inputs:	0-5V, 0-10V, 4-20mA
Number of Inputs:	Up to two transducer inputs per Wireless Transducer Reader
Data Capture Rate:	User-configurable
Wireless Frequency:	2.4GHz Direct Sequence Spread Spectrum, 100mW peak output
Wireless Range:	Up to 300m, high interference immunity, extendable with repeaters
Wireless Protocol:	Cypress Semiconductor's Wireless USB with robust security, optional encryption, and minimal interference with existing wireless systems (for additional details, please see FAQ at www.cypress.com/systems)
Approvals:	FCC Class B Compliant, RoHS Compliant, UL Approved
Power Supply:	Standard 110-240VAC or optional battery
Operating Temperature:	-20°C to 70°C
Storage Temperature:	-40°C to +85°C
Enclosure:	Ruggedized Aluminum Industrial Chassis (Optional NEMA 4/IP65 enclosure)
Weight:	100g

RELATED PRODUCTS:

WGR-100: Wireless Gauge Reader

AWR-100: Analog Output Wireless N:1 Receiver

BBR-100: Blue Box Receiver

WSS-100: Wireless System Server

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

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