

### FEATURES

- Data collection unit for receiving wireless data from Wireless Gauge Readers (WGR) and/or Wireless Transducer Readers (WTR)
- Each Blue Box accommodates up to 128 WGR's and/or WTR's
- Built in Web Server for easy browser access to data and trending
- Capability for local storage of data
- Uses robust WirelessUSB wireless radio and protocol
- Optional forwarding of data to Cypress Systems Wireless System Server database via plant LAN
- Optional support for OPC, SECS/GEM, BACNet, ODBC, and ADO.NET protocols for easy connectivity to HMI packages
- Optional capability for data access via web interface
- Optional capability for data query and access via Text Messaging (SMS) from cell phones and PDA's
- Ruggedized enclosure for industrial environments
- RoHS compliant



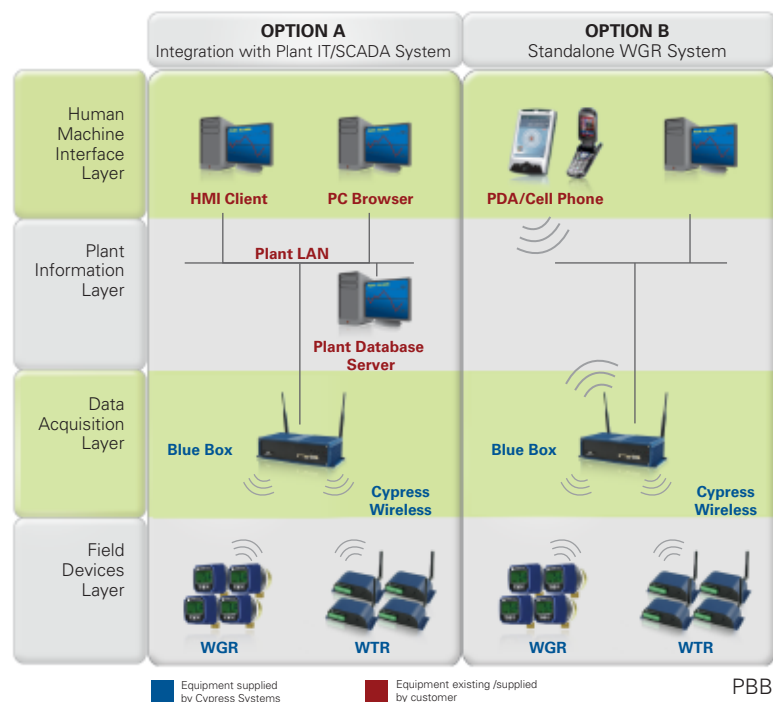
### Wireless data receiver for Cypress Systems Wireless Gauge Readers and Wireless Transducer Readers. Use to forward data to central SQL Server database, or use standalone with Web and SMS based operator interfaces

The Blue Box is a flexible unit which collects WGR/WTR data and enables access to the data from a variety of users and interfaces.

For users with existing plant databases and operator stations, it can forward data seamlessly to integrate with existing plant SCADA or IT infrastructure using a variety of open communications protocols (e.g. OPC, SECS/GEM, ODBC).

For users who do not need to connect to an existing infrastructure, the Blue Box can also serve as a standalone Web Server and Text Message Server. Standard PC workstations can become operator stations simply by using a web browser. Alarm notifications may be sent to cell phones or PDA's.

### Typical Plant Architecture using Blue Box data collectors



## KEY PRODUCT SPECIFICATIONS

### BLUE BOX RECEIVER

<b>Receiver Capacity:</b>	Receives data from up to 128 WGR's and/or WTR's
<b>User Interface:</b>	Built in Web Server for easy browser access to data and trending
<b>Available Data Protocols:</b>	OPC, SECS/GEM, BACNet, ODBC, ADO.NET via plant Ethernet LAN
<b>Mobile Access:</b>	Alarm notification and user queries via cell phone or PDA
<b>Wireless Frequency:</b>	2.4GHz Direct Sequence Spread Spectrum, 100mW peak output
<b>Wireless Range:</b>	Up to 300m, high interference immunity, extendable with repeaters
<b>Wireless Protocol:</b>	Cypress Semiconductor's WirelessUSB with robust security, optional encryption, and minimal interference with existing wireless systems (for additional details, please see FAQ at <a href="http://www.cypress.com/systems">www.cypress.com/systems</a> )
<b>Approvals:</b>	FCC Class B Compliant, RoHS Compliant, UL Approved
<b>Power Supply:</b>	110-240VAC
<b>Operating Temperature:</b>	-20°C to 70°C
<b>Storage Temperature:</b>	-40°C to +85°C
<b>Enclosure:</b>	Ruggedized Aluminum Industrial Chassis
<b>Weight:</b>	2kg
<b>Dimensions:</b>	70mm (h) x 265mm (w) x137mm (l)

### RELATED PRODUCTS:

**WGR-100:** Wireless Gauge Reader

**WTR-100:** Wireless Transducer Reader

**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.

### HEADQUARTERS

198 Champion Court  
San Jose, CA 95134  
408 943 2800  
[www.cypress.com/systems](http://www.cypress.com/systems)  
[systems@cypress.com](mailto:systems@cypress.com)

### DESIGN CENTER

12230 World Trade Drive  
Suite 200  
San Diego, CA 92128