

## FEATURES

- Data collection unit for receiving wireless data from Cypress Envirosystems field devices
- Each Blue Box Server accommodates up to 255 Cypress Envirosystems field devices (typical)
- Built in Web Server for easy browser access to data and trending
- Capability for local storage of data
- Uses robust and highly optimized industrial DSSS radio and protocol with antenna and frequency diversity
- Ruggedized enclosure for industrial environments
- FCC, RoHS and ETSI compliant
- Optional support for OPC, BACnet, ODBC, ADO.NET, and web services protocols for easy connectivity to existing building or plant automation systems

- Data access via web interface
- Data query and access via Text Messaging (SMS) from cell phones, PDAs or email



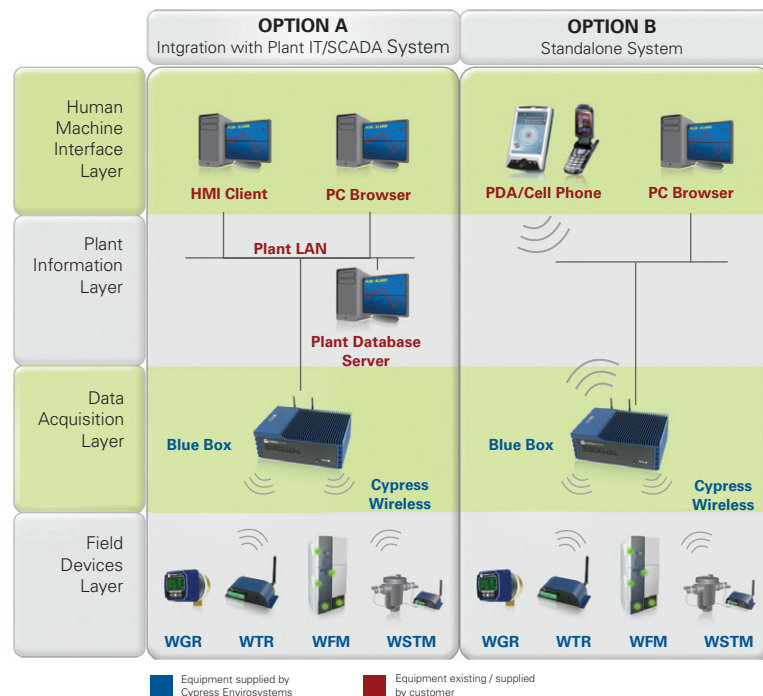
**Wireless data server for Cypress Envirosystems field devices. Use to forward data to central SQL Server database, or use standalone with Web and SMS based operator interfaces.**

The Blue Box Server (BBS) is a flexible unit that collects data from Cypress Envirosystems field devices 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, ODBC).

For users who do not need to connect to an existing infrastructure, the Blue Box Server 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, PDAs or email.

### Typical Plant Architecture using Blue Box Server



## KEY PRODUCT SPECIFICATIONS

### BLUE BOX SERVER (BBS-100)

<b>Server Capacity:</b>	Receives data from up to 255 Cypress EnviroSystems field devices (typical)
<b>Compatibility:</b>	PC or Macintosh
<b>User Interface:</b>	Built in Web Server for easy browser access to data and trending
<b>Available Data Protocols:</b>	OPC, BACnet, ODBC, ADO.NET, web services via plant Ethernet LAN
<b>Mobile Access:</b>	Alarm notification and user queries via cell phone, PDA or email
<b>Wireless Frequency:</b>	2.4GHz Direct Sequence Spread Spectrum, 100mW peak output
<b>Wireless Range:</b>	Up to 1600ft (488m), high interference immunity, extendable with repeaters
<b>Wireless Protocol:*</b>	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 <a href="http://www.cypressenvirosystems.com">www.cypressenvirosystems.com</a> )
<b>Approvals:</b>	FCC Class B compliant, RoHS, ETSI compliant
<b>Power Supply:</b>	90-240VAC
<b>Humidity:</b>	10-90% RH, non-condensing
<b>Operating Temperature:</b>	32°F to 113°F (0°C to 45°C)
<b>Storage Temperature:</b>	-4°F to 176°F (-20°C to 80°C)
<b>Enclosure:</b>	Ruggedized aluminum and stainless steel chassis
<b>Dimensions:</b>	4.1" x 8.3" x 11.8" (104.5mm x 210mm x 300mm)
<b>Weight:</b>	13.9 lbs (6.3kg)

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

### OUR FAMILY OF PRODUCTS:

					
<b>WIRELESS PNEUMATIC THERMOSTAT (WPT)</b>	<b>WIRELESS GAUGE READER (WGR-100)</b>	<b>WIRELESS STEAM TRAP MONITOR (WSTM-100)</b>	<b>WIRELESS FREEZER MONITOR (WFM-100)</b>	<b>WIRELESS TRANSDUCER READER (WTR-100)</b>	<b>BLUE BOX SERVER (BBS-100)</b>

### HEADQUARTERS

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