

## Overview

The WiPoint Coordinator is a serial (RS232) or USB to ZigBee bridge. It is the primary concentration point for a Zigbee network to converse and report to the outside world. Typically a Zigbee WiPoint Coordinator will communicate wirelessly to up to 255 nodes tracking each node address and its status back to the WiSuite Server.

### Product Highlights

#### Easy to Install

Two pieces with quick connector. Back plate can be wired and electronics added later.

#### True ZigBee Compatibility

The WiPoint WR incorporates a WiSE250 ZigBee module – a ZigBee 1.0 and PRO (draft) compliant communications module based on the Ember Platform.

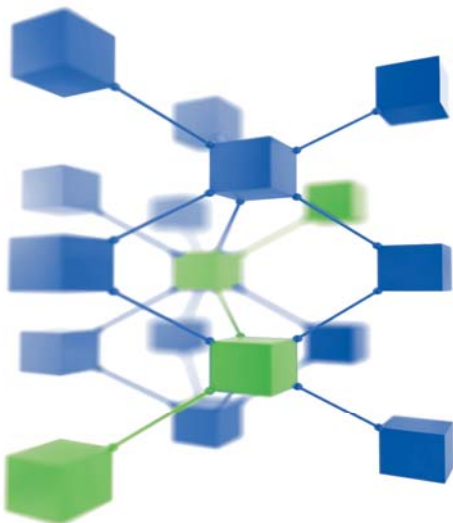
#### Network Reach

Multiple networks can be run together to build up the total number of total nodes. Networks can also be run over ethernet backbones to the server to form campus networks to reach many buildings or floors. Networks with as many as 3400 nodes are currently running.

#### Unobtrusive LEDs

The WiPoint Coordinator features two small LEDs (power, link) tucked unobtrusively under the top grill for diagnostics and troubleshooting.

ZigBee Wireless provides robust central control and low installation cost



### Compliant Specifications

IEEE 802.15.4

ZigBee v1.0 (2004)

ZigBee PRO draft

### RF Characteristics

Powered by **WiSE250**

Outdoor LOS range 250m

TX Power Up to 5dBm

RX Sensitivity -95 dBm (1% PER)

Frequency ISM 2.405 - 2.480 GHz

Data Rate 250 Kbps

### Power Specifications

Input Power 6V - 40V DC or AC

Output Power Input Power @ 150mA switched

### Other Specifications

Temperature Sensor +/- 1°C accuracy with precision of 0.0016°C

LEDs Power, Link

### Connections

DB-9 Port (RS232)

USB mini-B Drivers are available at [www.wisuite.com](http://www.wisuite.com)

DC Jack (1.65mm Centre Positive)