

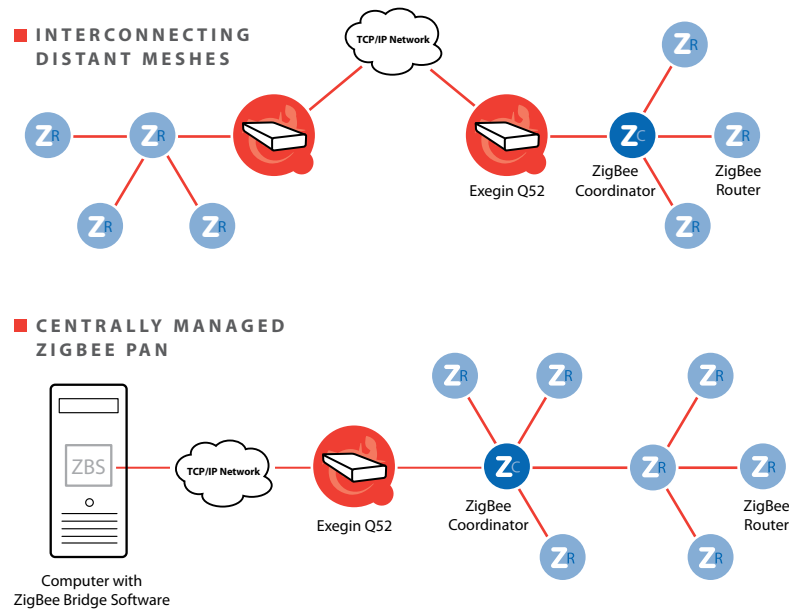


# Q52 ZigBee Bridge Device

ZIGBEE PAN EXTENSION OVER TCP/IP

## overview

You can create low-latency PANs that span buildings, campuses or continents with the Q52 ZigBee Bridge Device (ZBD). Compact and low cost, the Q52 allows you to seamlessly connect distant meshes over any TCP/IP network to form a single PAN. Typical uses include interconnection of out-of-range devices, interconnection of 2.4GHz and 900MHz PANs, or extension of a PAN to a central management and control facility.



To other nodes the Q52 appears as a coordinator or router that advertises routes to other devices at the other end of an IP connection.

## benefits

- Creates a single bridged PAN with up to four other Q52 devices.
- Reduces latency between physically separated ZigBee devices.
- Allows a low-cost central management topology.
- Conveniently installs anywhere: compact size and Power over Ethernet (PoE) support.
- Installs and manages easily using a friendly Web interface.





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## SPECIFICATIONS

### ■ SYSTEM REQUIREMENTS

- Web Administration: Internet Explorer 6.0 or Mozilla Firefox 1.0 (or later)
- Gecko Installation Tool: Windows XP, Vista. Installation may also be done from any command line capable of running Telnet

### ■ DIMENSIONS

- Metric – 65mm W x 23.5mm L x 111mm D
- Imperial – 2.55" W x 1.925" L x 4.4" D

### ■ WEIGHT

- Device – 105g / 4 oz.
- 110VAC Power Supply – 83g / 3 oz.
- 220VAC Power Supply – 94g / 3.5 oz.

### ■ POWER SUPPLY

- Available with external DC power supplies for most voltages and frequencies (120V / 60Hz – 220V / 50Hz)
- IEEE 802.11af Power Over Ethernet

### ■ ENVIRONMENTAL

- 0°C – 50°C operating
- -40°C – 85°C storage
- 95% maximum humidity, non-condensing

### ■ REGULATORY CERTIFICATION

- USA: FCC Part 15
- Canada: IECS-003
- EU: CE Mark

### ■ WARRANTY

- 1 year parts and labour

## FEATURES

### ■ HARDWARE

- 10/100 Ethernet port
- 2.4GHZ 802.15.4 radio
  - Dual radios 2.4GHz and 900MHz by special order
- External antenna (RP-SMA male)
- Power: 6VDC barrel jack or Power over Ethernet (PoE)

### ■ FIRMWARE

- Up to four-way bridging with other Q52 devices
- PAN filtering to inhibit bridging of specified PAN IDs
- ZigBee Coordinator capability
- Web and Telnet servers for Configuration and Management
- SNMP Agent

### ■ SOFTWARE

- Easy network installation via Gecko management tool



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