

iDigi™ Professional Development Kit ZB

ZigBee Networking Development Kit for iDigi Platform

Cost-effective, out-of-the-box kit for the evaluation and development of ZigBee wireless sensor/device networks and the iDigi platform.



Overview

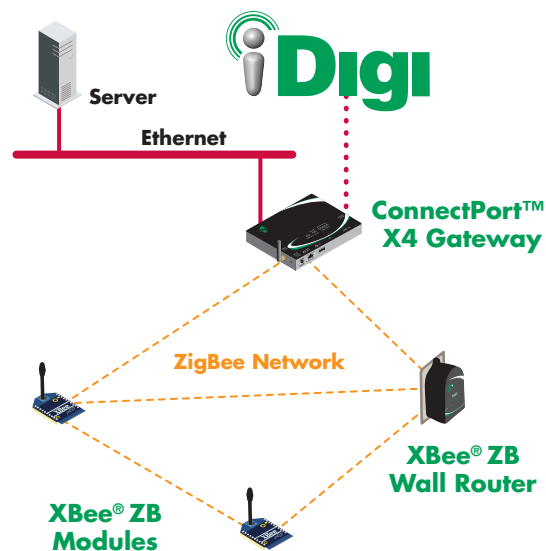
The iDigi Professional Development Kit ZB includes all the hardware and software tools necessary to deploy and configure a ZigBee network through the iDigi platform. By using the iDigi platform, developers can rapidly deploy and manage their applications remotely across a ZigBee network through an IP connection, without programming middleware applications.

The iDigi Professional Development Kit ZB includes:

- 2 XBee® modules with interface boards
- 1 ConnectPort™ X4 gateway
- 1 XBee wall router
- Accessories

To see the full range of Digi's Drop-in Networking solutions, including off-the-shelf XBee adapters and cellular/Wi-Fi ConnectPort X gateways, please visit www.digi.com/din.

Application Highlight



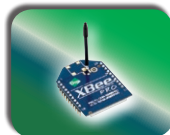
Features/Benefits

- Easily configure a ZigBee sensor/device network out-of-the-box
- Provide IP connectivity to the ZigBee network with a ConnectPort X4 gateway
- Monitor light and temperature readings from the XBee wall router
- Seamlessly bridge your own applications to the ZigBee network using the iDigi platform

Related Products



iDigi Solutions



Modules



Adapters



Gateways



Network Extenders



Accessories



| Product Type | | XBee® & XBee-PRO® ZB Modules | |
|--|--|--|--|
| Model | Regular | PRO | |
| Performance | | | |
| RF Data Rate | 250 Kbps | 250 Kbps | |
| Indoor/Urban Range | Up to 133 ft (40 m) | Up to 300 ft (90 m) / Int'l 200 ft (60 m) | |
| Outdoor/Line-of-Sight Range | Up to 400 ft (120 m) | Up to 1 mile (1.6 km) / Int'l 3200 ft (1 km) | |
| Transmit Power | 1.25 mW (+1 dBm) / 2 mW (+3 dBm) boost mode | 50 mW (+17 dBm) / Int'l 10 mW (+10 dBm) | |
| Receiver Sensitivity (1% PER) | -96 dBm in boost mode | -102 dBm | |
| General | | | |
| Frequency Band | 2.4 GHz | | |
| Sleep Modes | Low-power sleep modes enable power-down currents less than 10 uA | | |
| Operating Temperature | -40° C to +85° C (Industrial) | | |
| Product Type | | ConnectPort™ X4 Gateway | |
| General | | | |
| Network Protocols | UDP/TCP, DHCP | | |
| Interfaces | Physical: 1 RJ-45 Ethernet port, 1 serial DB-9 port, 1 USB port; RF: 1 XBee-PRO ZB module, 2.4 GHz | | |
| LEDs | Ethernet status, Power, XBee link/activity | | |
| Router/Security Features | NAT, Port Forwarding, Access Control lists (IP filtering) | | |
| Management | HTTP web interface, Password access control, IP service port control, Optional secure enterprise management via Digi Connectware® Manager, Python application customization tool for programmability | | |
| Product Type | | XBee® ZB Wall Router | |
| General | | | |
| Antenna | Internal | | |
| Locking Mechanism | Unit secures to power outlet using center outlet screw (U.S. only) | | |
| LEDs | Power: Solid when external power is supplied; Associate: Blinks when unit is associated to an RF network | | |
| Push Button | Device reset, Configuration reset to factory defaults, Identification/Commissioning mode | | |
| Integrated Temperature & Light Sensor | | | |
| Temperature Sensor | Range: -20° C to +70° C (-4° F to +158° F); Accuracy: +/- 2° C | | |
| Ambient Light Sensor | Range of spectral bandwidth: 360 to 970 nm (similar to human eye); Wavelength of peak sensitivity: 570 nm | | |
| Power Requirements | | | |
| Power Input | Universal AC input (85VAC to 265VAC) | | |

Visit www.digi.com for part numbers.

DIGI SERVICE AND SUPPORT - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. www.digi.com/support

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