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.
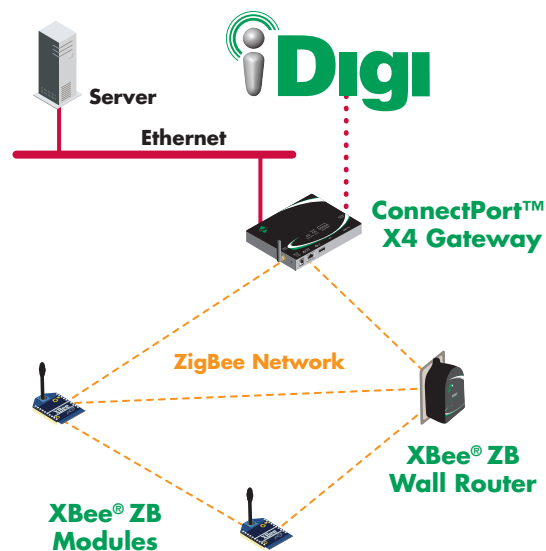
Overview

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.

Related Products

iDigi Solutions	Modules	Adapters
Gateways	Network Extenders	Accessories

Application Highlight

Server
Ethernet
ConnectPort™ X4 Gateway
ZigBee Network
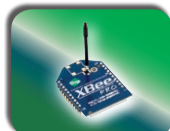XBee® ZB Wall Router
XBee® ZB Modules

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**
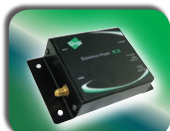- **Seamlessly bridge your own applications to the ZigBee network using the iDigi platform**

www.digi.com

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 oultet 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.

MAKING Wireless M2M EASY™

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