

PRELIMINARY

# iDigi™ X4 Starter Kit ZB

iDigi Development Kit for ZigBee® Networks

Cost-effective, out-of-the-box development environment to evaluate the iDigi platform with ZigBee networks.



## Overview

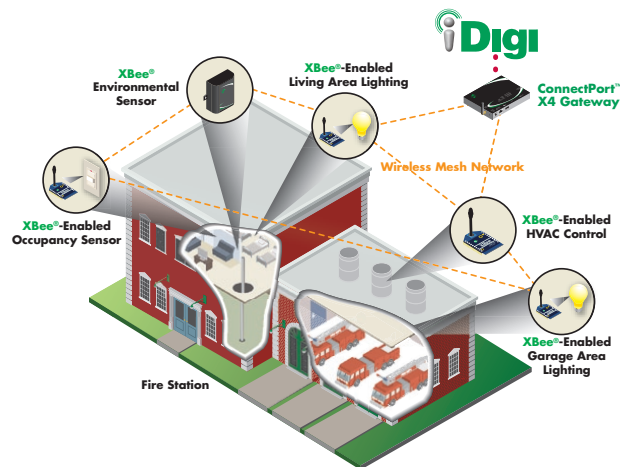
The iDigi X4 Starter Kit ZB includes all the hardware and software tools necessary to deploy and configure a ZigBee network through the iDigi platform. By using the iDigi platform, developers can rapidly deploy and manage their applications remotely across a ZigBee network through an IP connection, without the need to program middleware applications.

The iDigi X4 Starter Kit ZB includes:

- ConnectPort™ X4 gateway w/ Ethernet
- XBee® ZB module w/ interface board
- XBee ZB wall router
- XBee ZB light/temperature sensor

To see more of Digi's Drop-in Networking solutions, including XBee modules, adapters and gateways, please visit [www.digi.com/products/wirelessdropinnetworking](http://www.digi.com/products/wirelessdropinnetworking). For more information on the iDigi platform, refer to [www.idigi.com](http://www.idigi.com).

## Application Highlight



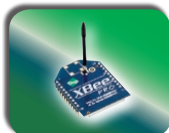
## Features/Benefits

- 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 ZB wall router and XBee ZB sensor
- 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® ZB Module	
<b>Performance</b>			
RF Data Rate	250 Kbps		
Indoor/Urban Range	Up to 133 ft (40 m)		
Outdoor/Line-of-Sight Range	Up to 400 ft (120 m)		
Transmit Power	1.25 mW (+1 dBm) / 2 mW (+3 dBm) boost mode		
Receiver Sensitivity (1% PER)	-96 dBm in boost mode		
<b>General</b>			
Frequency Band	2.4 GHz		
Sleep Modes	Low-power sleep modes enable power-down currents less than 1 uA		
Operating Temperature	-40° C to +85° C (Industrial)		
Product Type		ConnectPort™ X4 Gateway	
<b>General</b>			
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 enterprise management via the iDigi platform, iDigi Dia and Python for customization and programmability		
Product Type		XBee® ZB Wall Router and XBee® ZB Sensor	
Model	Wall Router	Temperature and Light Sensor	
<b>General</b>			
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		
<b>Integrated Temperature &amp; Light Sensor</b>			
Temperature Sensor	Range: -20° C to +70° C (-4° F to +158° F); Accuracy: +/- 2° C	Range: -18° C to +55° C (0° F to +131° 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		
<b>Power Requirements</b>			
Power Input	Universal AC input (85VAC to 265VAC)	3 x AA Alkaline 1.5V batteries (batteries included with kit)	

Visit [www.digi.com](http://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](http://www.digi.com/support)

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