

ZIGBEE® NETWORK RANGE EXTENDER



DIGI XBEE-PRO® ZIGBEE WALL ROUTER

The Digi XBee-PRO ZigBee wall router is an easy-to-deploy, plug-in extender/router that expands the reach of ZigBee networks

Digi's XBee-PRO ZigBee wall router is a network extender used to create or expand a wireless ZigBee network, allowing seamless communication between ZigBee enabled devices. The wall router plugs into a standard power outlet for quick and easy deployment. Once deployed, the unit acts as a routing node, providing users with expanded network range and adding redundancy to a mesh network.

The wall router is built upon the extended-range Digi XBee-PRO ZigBee module, giving users full interoperability with other Digi XBee® ZigBee based devices. Additionally, the Digi XBee ZigBee family of products utilizes the ZigBee PRO

Feature Set (ZPFS), enabling network interoperability with ZPFS products from other vendors.

Part of Digi's unsurpassed offering of Drop-in Networking products, the Digi XBee-PRO ZigBee wall router provides seamless communication between devices, including embedded modules, device adapters and gateways. Digi XBee ZigBee modules deliver wireless connectivity to end-point devices in ZigBee networks. Digi XBee device adapters provide wireless connectivity to electronic devices in wired networks. ConnectPort® X gateways enable users to access and configure remote Digi XBee devices in a network.

APPLICATION EXAMPLE

BENEFITS

- Extends the range and strength of a ZigBee network
- Creates additional network pathways for more reliable mesh networking
- Plugs into a standard power outlet for easy deployment
- Small form factor for unobtrusive deployment
- Integrated light and temperature sensors
- Secure mounting tab prevents accidental unplugging and theft (North American unit only)

CENTRAL FACILITIES MANAGEMENT ZIGBEE WIRELESS MESH NETWORK Wireless/Telco/VPN CONNECTPORT® X GATEWAY DIGI XBEE-PRO® ZIGBEE WALL ROUTER

RELATED PRODUCTS







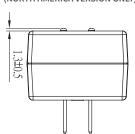




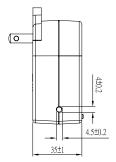
Developmer Kits

RE DATA RATE 250 Kbps INDOOR/URBAN RANGE* Up to 300 ft (90 m) / 200 ft (50 m) int'l variants OUTDOOR/RE LINE-OF-SIGHT RANGE* Up to 1 mile (1.6 km) / 2500 ft (750 m) int'l variants TRANSMIT POWER 50 mW (+17 dBm) / 10 mW (+10 dBm) int'l variants RECEIVER SENSITIVITY (196 PER) -102 dBm FEATURES INTERFACES Network interoperable with Zigbee PRO Feature Set devices FREQUENCY BAND 2.4 GHz (5M) LEDS Network interoperable with Zigbee PRO Feature Set devices FREQUENCY BAND 2.4 GHz (5M) LEDS ROW (+11 dBm) / 10 mW (+10 dBm) int'l variants LEDS ROW (+10 dBm) int'l variants LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants Set devices FREQUENCY BAND 1.4 GHz (5M) LEDS ROW (+10 dBm) int'l variants LEDS ROW (+10 dBm)	SPECIFICATIONS	Digi XBee-PRO® ZigBee Wall Router	
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CE/ETSI (EUROPE) Yes, Int'l variant C-TICK (AUSTRALIA) Yes Yes	FCC (USA)	Yes	
C-TICK (AUSTRALIA) Yes Ves Int'l variant	IC (CANADA)	Yes	
Vec Int'l variant	CE/ETSI (EUROPE)	Yes, Int'l variant	
TELEC (JAPAN) Yes, Int'l variant	C-TICK (AUSTRALIA)	Yes	
	TELEC (JAPAN)	Yes, Int'l variant	

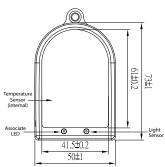
DIGI XBEE-PRO WALL ROUTER - TOP (NORTH AMERICA VERSION ONLY)







DIGI XBEE-PRO WALL ROUTER - FRONT



^{*}Range figure estimates are based on free-air terrain with limited sources of interference. Actual range will vary based on transmitting power, orientation of transmitter and receiver, height of transmitting antenna, height of receiving antenna, weather conditions, interference sources in the area, and terrain between receiver and transmitter, including indoor and outdoor structures such as walls, trees, buildings, hills, and mountains.



PART NUMBERS	DESCRIPTION
XR-Z14-CW1P1	Digi XBee-PRO ZigBee Wall Router, US and AU Power Plug
XR-Z14-CW1P2	Digi XBee-PRO ZigBee Wall Router, EU, UK, and JPN Power Plug

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