



XBee® & XBee-PRO® ZB ZigBee® PRO RF Modules

The low-power XBee ZB and extended-range XBee-PRO ZB use the ZigBee PRO Feature Set for advanced mesh networking. The XBee ZB platform features:

- Low-cost, low-power mesh networking
- Interoperability with ZigBee PRO Feature Set devices from other vendors*
- Support for larger, more dense mesh networks
- 128-bit AES encryption
- Frequency agility
- Over-the-air firmware updates (change firmware remotely)

By deploying this and any XBee device, OEMs are leveraging the value of the XBee product family and Digi's unsurpassed Drop-in Networking offering of gateways, adapters and routers. In addition, XBee users can take advantage of platform agility—the ability to rapidly change their XBee solution with minimal development.

XBee & XBee-PRO ZB hardware note: The XBee & XBee-PRO ZB share hardware with XBee & XBee-PRO ZNet 2.5. As a result, modules can be “converted” from one platform to another by loading different firmware onto a given module. Contact Digi Support for details.

Product summary:

- ISM 2.4 GHz operating frequency
- XBee: 2 mW (+3 dBm) power output (up to 400 ft RF LOS range)
- XBee-PRO: 50 mW (+17 dBm) power output (up to 1 mile RF LOS range)
- RPSMA connector, U.FL connector, Chip antenna, or Wired Whip antenna
- Industrial temperature rating (-40° C to 85° C)
- Approved for use in the United States, Canada, Australia and Europe
- Advanced mesh networking and low-power modes supported

Model/Part Numbers

Development Kits	
XBee ZB/ZNet 2.5 Development Kit w/ 2 XBee-PRO modules & 3 regular XBee modules	XB24-BPDK-W
XBee Embedded RF Modules	
XBee ZB low power ZigBee module w/ chip antenna	XB24-Z7CIT-004
XBee ZB low power ZigBee module w/ integrated wire antenna	XB24-Z7WIT-004
XBee ZB low power ZigBee module w/ U.FL connector	XB24-Z7UIT-004
XBee ZB low power ZigBee module w/ RPSMA connector	XB24-Z7SIT-004
XBee-PRO ZB long range ZigBee module w/ RPSMA connector	XBP24-Z7SIT-004J
XBee-PRO ZB long range ZigBee module w/ integrated wire antenna	XBP24-Z7WIT-004J
XBee-PRO ZB long range ZigBee module w/ chip antenna	XBP24-Z7CIT-004J
XBee-PRO ZB long range ZigBee module w/ U.FL connector	XBP24-Z7UIT-004J



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