sparkfun

XBee Pro 63mW RPSMA - Series 2B (ZigBee Mesh)
WRL-10419 ROHS✔ 🗌 ⚡

★ ★ ★ ★ ☆ 2
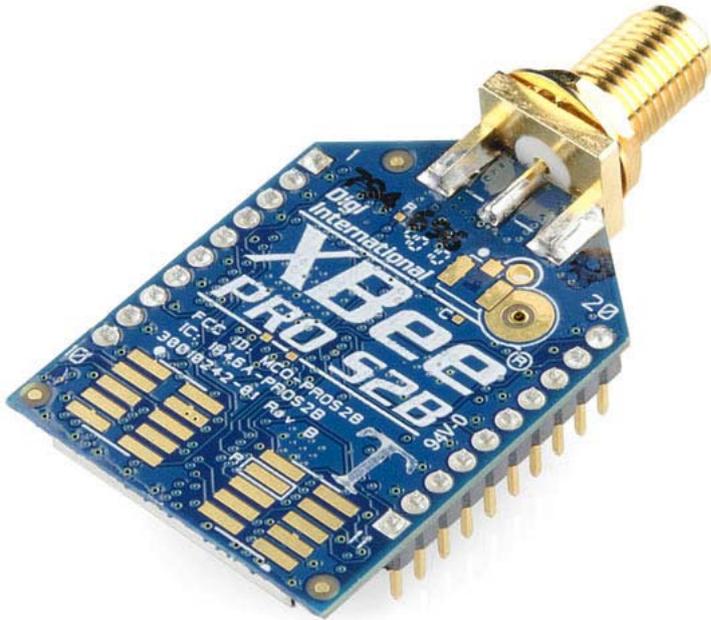
$44.95

Shipping outside of the US?
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NOTIFY ME

1	quantity
⭕	out of stock
$44.95	1+ units
$42.70	25+ units
$40.46	100+ units

We do not currently have an estimate of when this product will be back in stock.

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3D Download: STL, IGES, STEP, Blender, Solidworks

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Description: This is the XBee XBP24BZ7SIT-004 module from Digi. The new Series 2B improves upon the power output and data protocol of the Pro Series2. Series 2B modules allow you to create complex mesh networks based on the XBee ZB ZigBee mesh firmware. These modules allow a very reliable and simple communication between microcontrollers, computers, systems, really anything with a serial port! Point to point and multi-point networks are supported.

Series 2B modules use a different hardware configuration from the earlier models and while they will communicate with Series 2 XBee modules, they are not compatible with the outdated Series 2.5 Modules.

Not sure which XBee module or accessory is right for you? Check out our XBee Buying Guide!

Note: If you are looking for a simple point-to-point configuration, you might want to try the Series 1 instead. The Series 2 requires considerable setup and configuration. We highly recommend *Building Wireless Sensor Networks* as a guide for setting up mesh networks.

Note: Series 1 and Series 2B XBee modules have the same pin-out. However, Series 1 modules cannot communicate with Series 2B modules.

Note: If you are using these outside of the United States, please check with your local laws regarding radio communication.

Features:

- 3.3V @ 295mA
- 250kbps Max data rate
- 63mW output (+17dBm)
- 1 mile (1600m) range
- RPSMA connector
- Fully FCC certified
- 6 10-bit ADC input pins
- 8 digital IO pins
- 128-bit encryption
- Local or over-air configuration
- AT or API command set
- External Antenna Required

Documents:

- Digi XBee Series 2B Page
- Datasheet
- Dimensional Drawings
- Digi Examples and Guides
- X-CTU Software

Replaces: WRL-08768

Recommended Products

✂ SPARKFUN RECOMMENDED
2.4GHz Duck Antenna RP-SMA - Large
⊚ WRL-00558
$9.95
★ ★ ★ ★ ☆ 1

✂ SPARKFUN RECOMMENDED
2.4GHz Duck Antenna RP-SMA
⊚ WRL-00145
$7.95
★ ★ ★ ★ ★ 1

✂ SPARKFUN RECOMMENDED
XBee WiFi Module - RP-SMA Connector
⊚ WRL-12569
$43.95

PURCHASED TOGETHER
SparkFun XBee Explorer USB
⊚ WRL-11812
$24.95
★ ★ ★ ★ ⯪ 32

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Customer Reviews

★ ★ ★ ★ ☆ 4 out of 5

Based on 2 ratings:

5 star	0
4 star	2
3 star	0
2 star	0
1 star	0

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0 of **1** found this helpful:

★ ★ ★ ★ ☆ Good

about 2 years ago by Member #478302 ✔ verified purchaser

Works as I expected. Communication range not that bad. I'm using antenna with 9dbi. I didn't test the max range though. The price for this module is too high anyway!

★ ★ ★ ★ ☆

about 2 months ago by Member #852766 ✔ verified purchaser

Works great and is easy to setup with the XCTU software. Managed to get two of these to communicate with shields alone which is good. My only complaint is they're a little pricey compared to the price I saw on Digi.