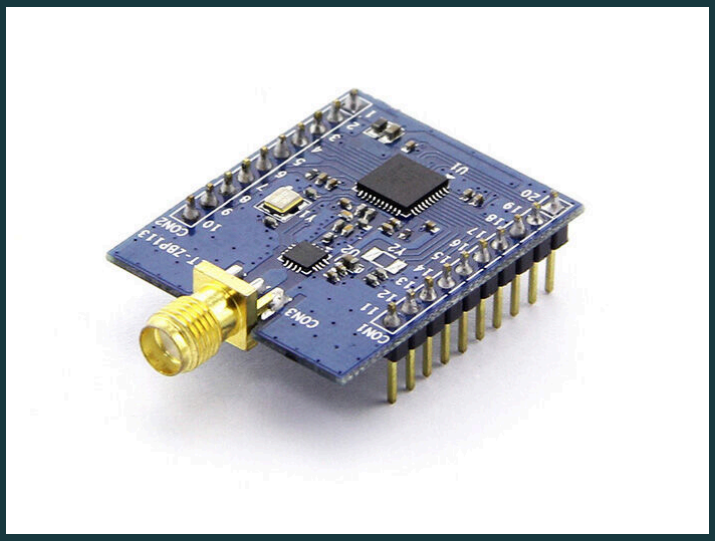
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INDUSTRIAL PRODUCT DATASHEET

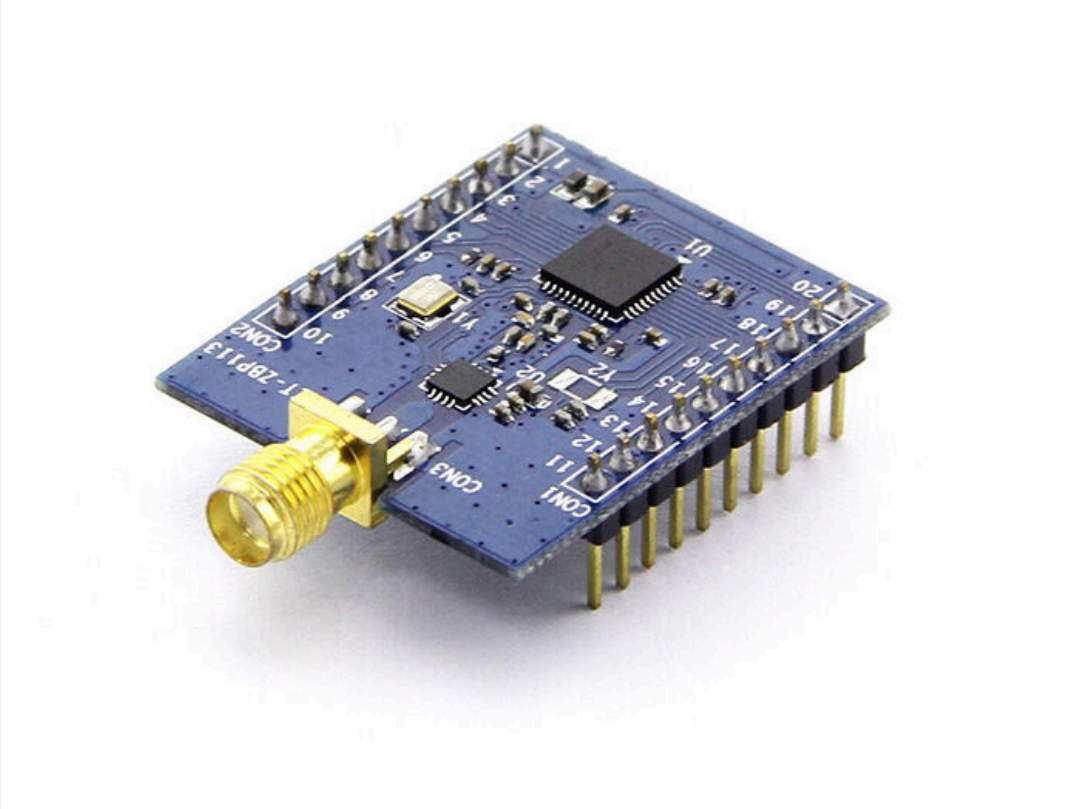
eNet-ZBP113 ZigBee Module

BestU eNet-ZBP113: Self-networking 2.4GHz ZigBee module for plug-and-play wireless integration.

SKU	UPDATED	PRICE
109990050	2024-08-09 02:02:22	$21.95(Excl. VAT)



Overview



The eNet-ZBP113 is a 2.4GHz IEEE 802.15.4/ZigBee module from BestU, built with TI CC2530 and offering 250kbps data rate over 16 channels. It provides self-networking and transparent serial data transport without requiring ZigBee protocol knowledge, and is compatible with Raspberry Pi and Beaglebone Black for smart home, industrial automation, and security applications.

Key Features

Introduction：

eNet-ZBP113 ZigBee module is a 2.4-GHz, IEEE 802.15.4/ZigBee embedded wireless module built in TICC2530, designed by BestU. eNet-ZBP113 module works on global ISM 2.4GHz toll free frequency band with traffic rate reaching 250kb, which can be divided 16 channels.This module is compatible with Raspberry Pi Model B and B+ and Beaglebone Black.

Self-network, LAPU are the main features of eNet-ZBP113 module. It is not necessary for you to understand complex ZigBee Protocol. All the processing part of ZigBee Protocol can be done internally under eNet-ZBP113 module, what you only need to do is to transport data by serial port, which can shorten product lead time tremendously. Meanwhile has the advantage of low-power and low-cost. As a consequence, eNet-ZBP113 module is the best choice of remote monitoring application, such as Smart Home controlling, Smart Grid data collection, industrial automation control and security monitoring and etc.

Features：

Specification：

Package List:

- eNet-ZBP113 module x 1
- 2.4G Antenna x 1

Documents:

- Getting Start
- User Manual

If you have any technical problem, please contact **support [at] bestni.com**

Product Gallery



Part List

Typical DC Character (VDD = 3.3V @ + 25℃)	
mA (TXD)	120mA (Max)
mA (RXD)	40mA (Max)
mA (Standby)	35mA (Max)
Typical RF Character	
Frequency Range	2.405GHz – 2.480Ghz
RF Channel Number	16
Transfer Rate	250 Kbps
Rx Sensitivity	-97dBm
TX Power	10-20 dBm
Outout Impedance	50 ohm
Typical Networking Character	
Wireless Protocol	ZigBee 2007
Largest Network Node	65535 (Max)
Configured Node	Coordinator / Router
Maximum Transmission Distance	1600 meter
Network Topology	Mesh Network (MESH)

Compliance & Logistics

HSCODE	8517707090

Resource Links

- https://www.seeedstudio.com/eNet-ZBP113-ZigBee-Module-p-2050.html

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