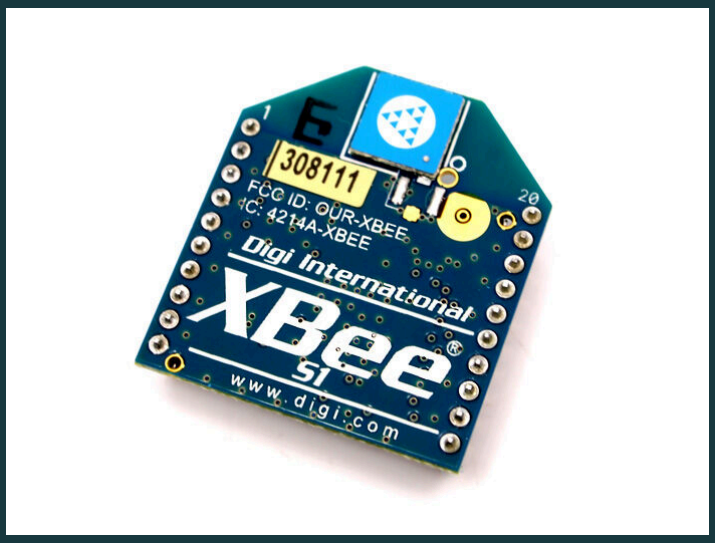
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INDUSTRIAL PRODUCT DATASHEET

XBee Chip Antenna - S1 (DigiMesh 2.4)

Low-cost, low-power 2.4 GHz DigiMesh mesh networking module with self-healing, sleeping routers, and 300 ft range.

SKU	UPDATED	PRICE
113050008	2024-08-09 02:15:06	$21.90(Excl. VAT)



Overview



The XBee Chip Antenna - S1 (DigiMesh 2.4) is a low-cost, low-power 2.4 GHz RF module utilizing the peer-to-peer DigiMesh protocol for global deployments. It features self-healing, self-discovery mesh networking, sleeping router support, and provides a line-of-sight range of 300 ft (90 m) with 0 dBm transmit power and -92 dBm receiver sensitivity.

Key Features

XBee DigiMesh 2.4 embedded RF modules utilize the peer-to-peer DigiMesh protocol in 2.4 GHz for global deployments. This innovative mesh protocol offers users added network stability through self-healing, self-discovery, and dense network operation. With support for sleeping routers, DigiMesh is ideal for power sensitive applications relying upon batteries or power harvesting technology for power.

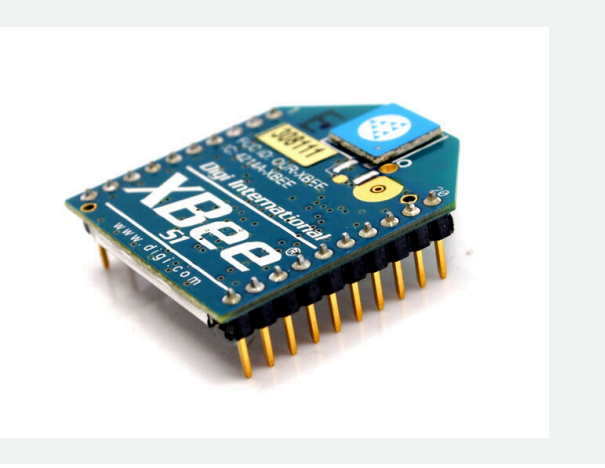
Compared with XBee Pro DigiMesh, this module is lower cost, lower power, but shorter range.

Features

- Regions: US, EU, AU, JP
- Frequency: 2.4GHz
- Positioning: Low-cost, low-power peer-to-peer mesh, sleeping routers
- RF Line of Sight Range: 300 ft / 90 m
- Transmit Power: 0dBm
- Receiver Sensitivity (1% PER): -92dBm
- Form Factor: Through-hole
- RF Data Rate: 250kbps
- Hardware Series: S1

Documentation

Product Gallery





Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/XBee-Chip-Antenna-S1-DigiMesh-2--p-1112.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com