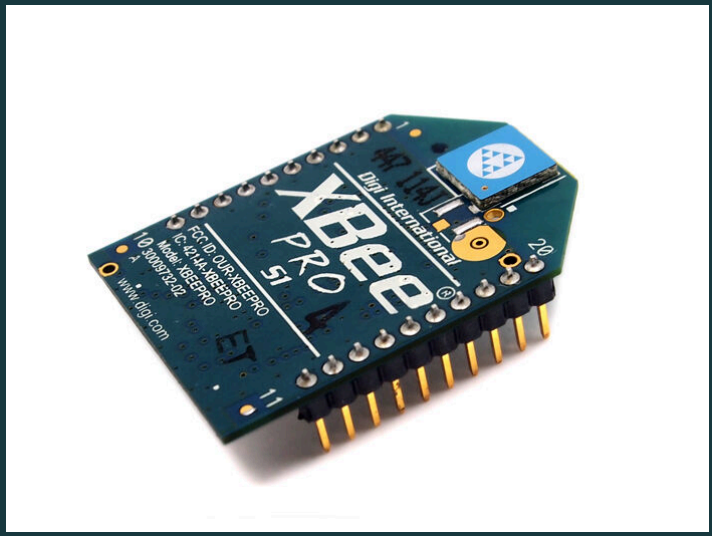
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INDUSTRIAL PRODUCT DATASHEET

XBee Pro Chip Antenna - S1 (DigiMesh 2.4)

XBee Pro Chip Antenna - S1 (DigiMesh 2.4): extended-range, self-healing mesh module with sleeping router support for global, power-sensitive deployments.

SKU	UPDATED	PRICE
113050007	2024-08-09 02:15:06	$36.90(Excl. VAT)



Overview



The XBee Pro Chip Antenna - S1 (DigiMesh 2.4) module provides an extended-range peer-to-peer mesh network using the DigiMesh protocol at 2.4 GHz, featuring self-healing, self-discovery, and dense network operation with sleeping router support for power-sensitive applications. It achieves a 1 mile (1.6 km) RF line-of-sight range with +18 dBm transmit power, -100 dBm receiver sensitivity, and a 250 kbps RF data rate in a through-hole form factor.

Key Features

XBee-PRO 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 DigiMesh, the Pro version is longer range, but higher power consumption.

Features

- Regions: US, AU
- Frequency: 2.4GHz
- Positioning: Extended-range peer-to-peer mesh, sleeping routers
- RF Line of Sight Range: 1 mile / 1.6 km
- Transmit Power: +18dBm
- Receiver Sensitivity (1% PER): -100dBm
- Form Factor: Through-hole
- RF Data Rate: 250kbps
- Hardware Series: S1

Documentation

Product Gallery





Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/XBee-Pro-Chip-Antenna-S1-DigiMesh-2--p-1113.html

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