



Technical Specifications

- RF module designed for wireless communication or data exchange and it works on ZigBee mesh communication protocols that sit on top of IEEE 802.15.4 PHY.
- Transmission Frequency: 2.4GHz to 2.5GHz and Number of Channels: 16 Direct Sequence Channels
- UART (250 Kb/s maximum) and SPI (5 Mb/s maximum) interface
- software adjustable transmitting power
- Indoor/Urban Range: 61m
- Outdoor RF line-of-sight Range: up to 1200m
- Transmit Power Output: 6.3mW (8dBm) - in Boost mode, 2mW (3dBm) in Normal mode
- RF Data Rate: 250,000 bps
- Receiver Sensitivity: -102dBm in Boost mode, -100dBm in Normal mode
- Supply Voltage Range: +2.1V to +3.6V
- Operating Current: 33mA (at 3.3V, for Normal mode), 45mA (at 3.3V, for Boost mode)
- Idle Current: 9mA
- Maximum output current on all pins together: 40mA
- Power-down Current: <1uA @25C
- ESD protection: 3000

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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