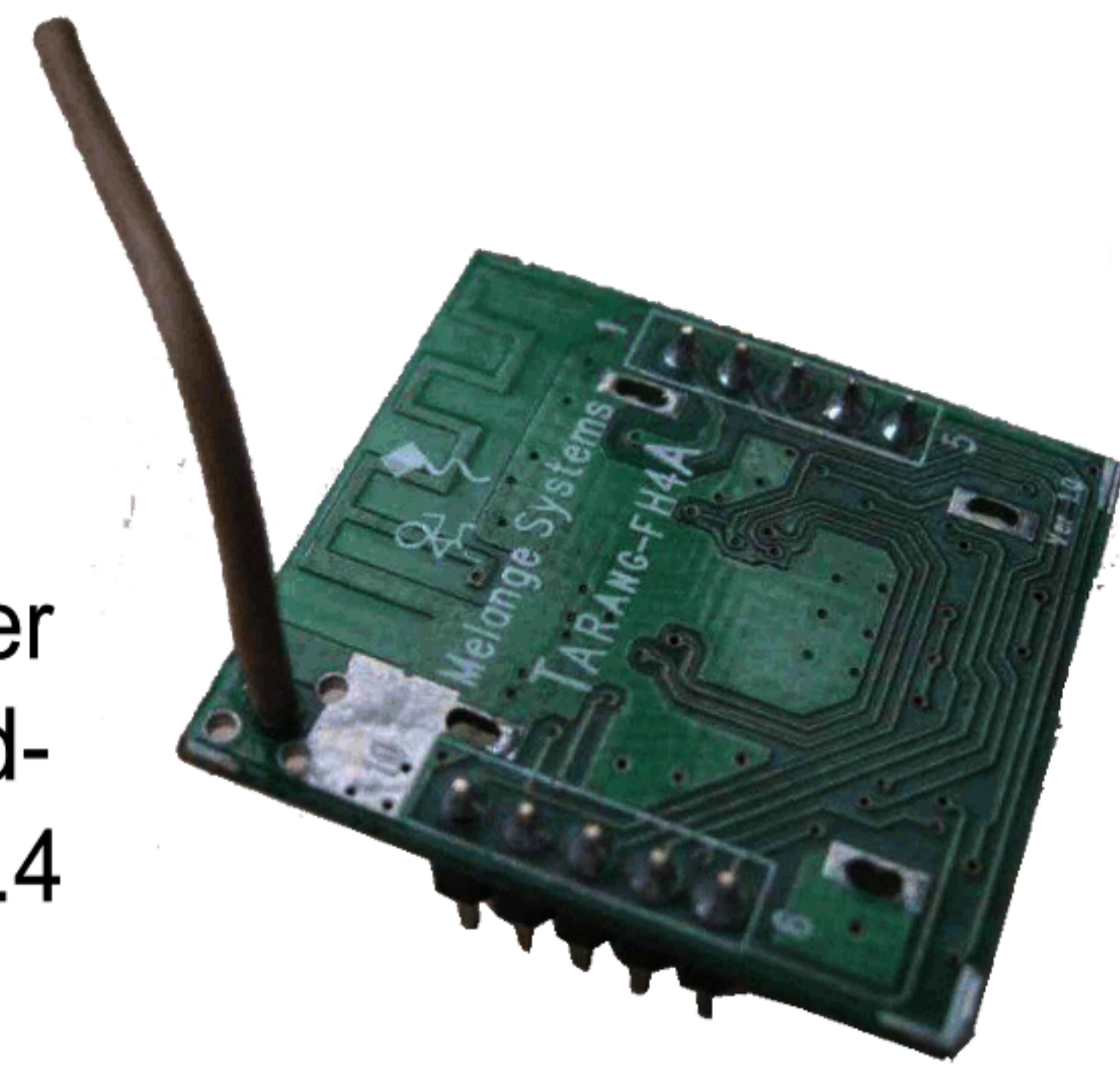


Tarang™ FH4

Tarang FH4 wireless modules are low powered RF transceivers. They are suitable for adding wireless capability to any product with serial data interface. The modules require minimal power and provide reliable delivery of data between devices. The I/O interfaces provided with the modules help to directly fit into many industrial applications. The modules operate within the ISM 2.4 GHz frequency band with 802.15.4 baseband.



Parameter

Detail

Power

Supply Voltage	2.1 to 3.6V
Transmit Current	27mA
Receive Current	<31mA
Power-down Current	<10 μ A

General

Frequency	ISM 2.4 - 2.484 GHz
Nominal Transmit Power	0 dBm
RF Data Rate	250 Kbps
Receiver Sensitivity	-93 dBm
Serial Data Rate	Up to 115200 baud
Operating Temperature	-40 to 85 ° C
Antenna Connector	MMCX
On-board Antenna Options	PCB Antenna Wire Antenna

Network

Supported Network Topologies	Point-to-Point, point-to-multipoint & peer-to-peer
Addressing Options	16
Number of Channels	PAN ID, Channel and address

Mechanical

Dimensions	24.5mm X 22.5mm
Interface Connector	2x5 pin berg stik, 2.00mm pitch

FEATURES

1. Supported with Point to point, point to multipoint and peer-to-peer topologies.
2. Direct Sequence spread spectrum technology.
3. RF Data rate: 250 kbps.
4. Acknowledgement mode communication with retries.
5. Power saving modes.
6. Source / Destination addressing.
7. Unicast and broadcast communication.
8. Each direct sequence channel has 64K unique network address.
9. Configurable Transmit Power: 0 dBm.
10. Default configuration for ready to use.

Contact Us:



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Wireless controls in action

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Note: Range achieved are dependent on terrain conditions, Antennas used and elevation provided.

Melange Systems reserves the right to change the specifications without notice in lieu of continuous improvement.

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