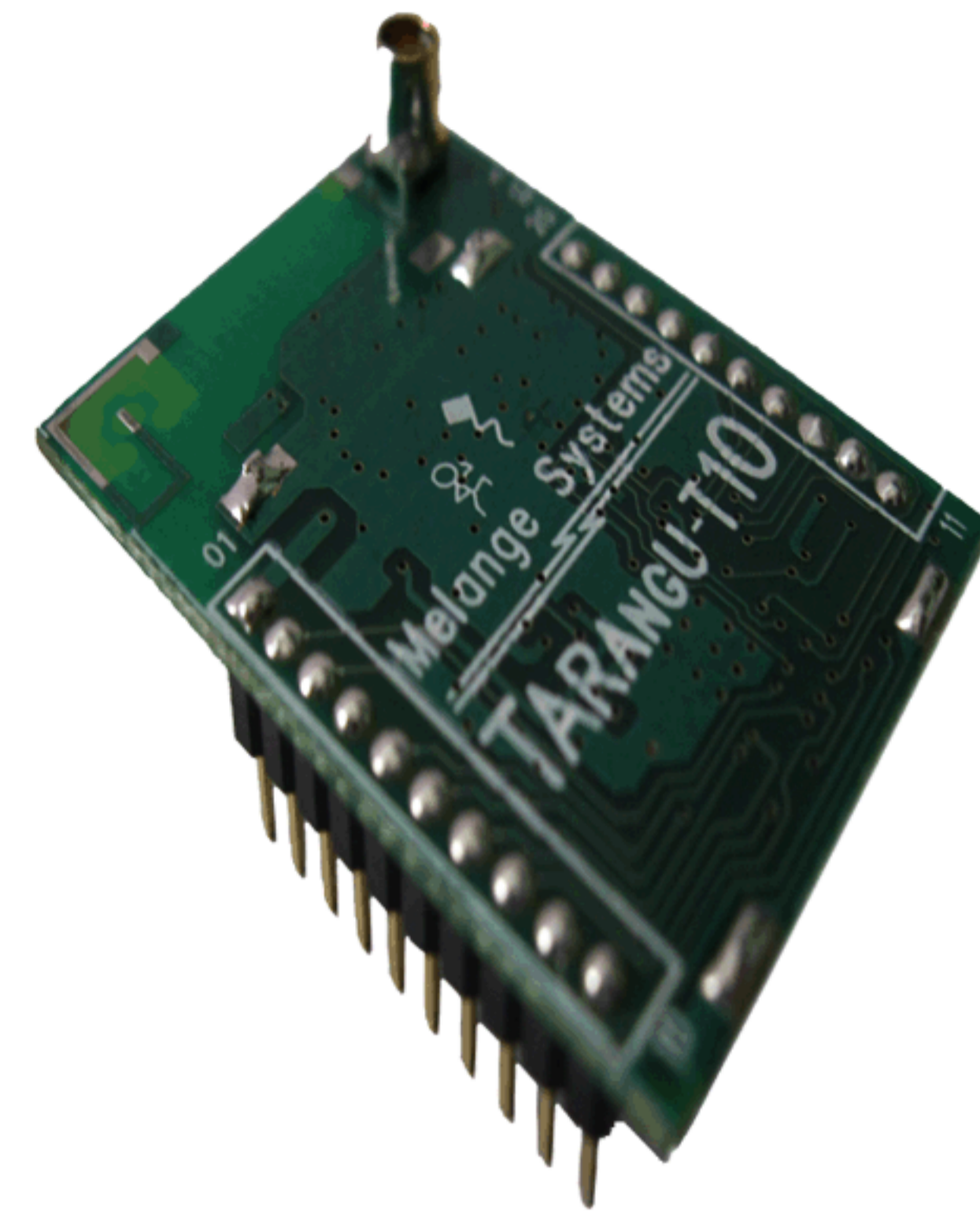


Tarang™ UT-10

865-867 MHz RF Module

Tarang UT-10 RF module provides for robust wireless communications in challenging urban and semi urban conditions. 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. It operates in 865 – 867 MHz range in India. It provides for a variety of RF rates (2.4kbps to 500kbps) and ranges, addressing various application requirements.



Parameter	Detail
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Power

Supply Voltage	2.4 to 3.6V
Transmit Current	20mA at 0 dBm , 35mA at 10dBm
idle/Receive Current	20mA
Power-down Current	<10µA

General

Frequency	865 - 867 Mhz
Nominal Transmit Power	10 dBm
RF Data Rate	2.4kbps - 500kbps(Max)
Receiver Sensitivity	-106dBm (at 9600 baud)
Serial Data Rate	Up to 115200 baud
Operating Temperature	-40 to 85 ° C
Antenna Connector Options	MMCX
On-board Antenna	Spring Antenna

Network

Supported Network Topologies	Point-to-Point, point-to-multipoint & mesh
Addressing Options	PAN ID and addresses

Mechanical

Dimensions	36mm X 26mm
Interface Connector	2x10 pin berg stick, 2.00mm pitch

FEATURES

1. Supported with Point to point, point to multipoint and mesh topologies.
2. 2-FSK, 2-GFSK supported.
3. Configurable Transmit Power upto 10 dBm.
4. Maximum RF Data rate: 500 Kbps.
5. Acknowledgement mode communication for data reliability.
6. Power saving modes.
7. Source / Destination Addressing.
8. Unicast and broadcast communication.
9. Analog to Digital conversion and Digital I/O line support.
10. Default configuration absolutely ready to use.

Contact Us:



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