

TarangTM F4L



TARANG F4L wireless modules based on Freescale MC1321X SIP, are low to medium-power devices. 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

Parameter	Detail
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Power

Supply Voltage	3.3 to 3.6V
Transmit Current	45mA
Receive Current	50mA
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	-92 dBm
Serial Data Rate	Up to 115200 baud
Operating Temperature	-40 to 85 ° C
Antenna Connector	MMCX
On-board Antenna Options	Chip Antenna Wire Antenna

Network

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

Mechanical

Dimensions	37mm X 26mm
Interface Connector	2x5 pin berg stik, 2.00mm pitch

FEATURES

1. 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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