



Radio Connect CC1312 Data Sheet

Product Overview

The Radio Connect CC1312 is a Radio Modem used for high-performance RF applications. It features the CC1312 microcontroller and provides robust serial data and audio interfaces, making it an ideal choice for a wide range of applications. It is available in OEM PCB version & customized enclosure version.

➤ **Applications:**

- Wireless Communication Systems
- IoT Devices
- Remote Sensing
- Audio Streaming Devices
- Industrial Automation

➤ **Technical Specifications:**

Parameter	Value
Microcontroller	CC1312
Operating Frequency	433 MHz to 1 GHz
Serial Interfaces	UART, SPI, I2C, RS-232 (2 ports), RS-422 (2 ports)
Audio Interface	1 Microphone Input, 1 Speaker Output
PTT Support	Yes
Operating Voltage	8V to 36V DC
Current Consumption	100mA max
RF Interface	MCX Jack (for OEM PCB Version) SMA (F) ss(for customized Enclosure Version)
DC / Data Interface	37 Pin Micro-D Socket Connector (for OEM PCB Version) 22 Pin Circular Connector (for customized Enclosure Version)
Programming Interface	JTAG
Dimensions	48 x 64 x 1.6 (for OEM PCB Version) dimensions in mm Customized (for customized Enclosure Version)

➤ **Ordering Information:**

1. **OEM PCB Version (Part No: MEC-RC1312-OEM)**
2. **Enclosure Version, OEM PCB with customized enclosure (Part No: MEC-RC1312-ENC-LxWxH)**

Enclosure dimensions can be alter as per requirement.

Example: Part no of Radio Connect with 300 x 300 x300 mm enclosure will be **MEC-RC1312-ENC-300-300-300**

Note: Be sure to mention enclosure dimension in description at the time of ordering