



MICRO-1356 Technical Description

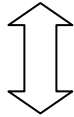
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TagSense, Inc.

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Basic Functional Specification

**USER
APPLICATION
BOARD**



**MICRO-1356
RADIO MODULE**

The Micro-1356 module is a general-purpose radio module that can be used as a stand-alone RFID reader or it can be connected to an external circuit board for use within a . In some configurations, an external antenna is provided as an option.

Mechanical Specs:

- Size: 1.34" x 1.11"
- Operating Temperature: -10C – 80C
- Humidity: 0 – 90 % (non condensing)

Power Specs:

- Operating Voltage – 5 V
- Operating Current:
 - ~30 mA idle
 - ~120mA transmit

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Basic Features

Features of the Micro-1356:

- Multi protocol: EPC, i-Code, ISO15693, ISO14443A, and Tag-It
- Reader can automatically identify the protocol of the tag being read
- Functions as both a reader AND a tag emulator for bi-directional near field communication (NFC protocol)
- Programmable reader ID code for networking many readers together
- Your custom reader settings can be saved in EEPROM so the reader will automatically boot-up in the correct mode
- On board EEPROM memory for storing IDs

Configurations:

Using a jumper, The Micro-1356 can be configured to use the onboard PCB antenna or an external antenna.

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