

# LRM001-915

LoRa® USB and Mini PCIe interface 915MHz

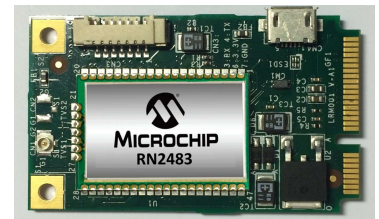
Microchip® RN2903

## Features

- . Mini PCI Express form factor
- . u.FL antennas to support 915MHz
- . FTDI® 232H

## Specification

- . Microchip® RN2903
- . Compliant with LoRaWan®
- . USB interface
- . UART interface (TX & RX)
- . Mini PCI Express form factor
- . u.FL antennas to support 915MHz
- . Range 7KM
- . Data rate 1k bps
- . Network type: Star
- . Standby current: 0.1mA
- . Rx current: 12ma
- . RF Output power (maximum) 20dbm
- . Receiver sensitivity: -130 dbm
- . Support Win 7 and Window 10
- . Support Linux : Ubuntu 12.04
- . Operating temperature -30°C~ 75°C
- . Dimension: 50 x 29 x 9 mm



## Interface

|           | LRM001       | LRM003       | LRM005       |
|-----------|--------------|--------------|--------------|
| Mini PCIe | ✓            | ✓            | ✓            |
| Full Size |              |              |              |
| USB 2.0   | ✓            |              | ✓            |
| UART      | ✓ Model UART | ✓ Model UART | ✓ Model UART |
| 433M or   | ✓ Model 433  |              |              |
| 868M or   | ✓ Model 868  | ✓ Model 868  |              |
| 915M or   | ✓ Model 915  | ✓ Model 915  | ✓ Model 915  |
| 923M      |              | ✓ Model 923  | ✓ Model 923  |

### Model Lists:

|            |                             |
|------------|-----------------------------|
| LRM001-433 | <i>Mini PCIe USB 433MHz</i> |
| LRM001-868 | <i>Mini PCIe USB 868MHz</i> |
| LRM001-915 | Mini PCIe USB 915MHz        |
| LRM003-868 | Mini PCIe USB 868Hz         |
| LRM003-915 | Mini PCIe USB 915MHz        |
| LRM003-923 | Mini PCIe USB 923MHz        |
| LRM005-923 | Mini PCIe USB 923MHz        |

### Common Specification:

|                       |               |
|-----------------------|---------------|
| Operating Humidity    | 5% ~ 95% RH   |
| Operating Temperature | -30° C~ 75°C  |
| Storage Temperature   | -40° C~ 80 °C |

### Packing List

u. FL Antenna Cable  
433 or 868 or 915MHz Antenna

