



## Features

- RPMA module for Low Power WAN RPMA network
- Small footprint: 18mm x 20.5mm x 2.35 mm
- High sensitivity down to -142dBm
- Design for quick integration of sensors to RPMA networks
- Support 2.4 GHz ISM band
- Operating temperature: -40°C - +85°C
- SDK support for SPI interface

This GIoT RPMA Module is a general-purpose SiP module for sensor integration for RPMA networks. Sensor vendors can speed up their RPMA Low Power WAN integration by embedding this module in their designs. This module will take care of the RPMA communication with RPMA networks. The controlling interface is based on industry standard SPI interface.

## Specification

<b>Model Name</b>	GR0136
<b>Frequency Band</b>	2.4 GHz ISM (2402~2482MHz)
<b>Wireless</b>	RPMA
<b>Modulation</b>	DSSS-DBPSK
<b>Operating Voltage</b>	3.3 V $\pm$ 10%
<b>Operation Temperature</b>	-40°C to 85°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>Interfaces</b>	Proprietary SPI interface
<b>Transmit RF Power</b>	21.5 dBm
<b>Receive Sensitivity</b>	Down to -142 dBm
<b>RF Transceiver</b>	Airoha AL2236
<b>Dimensions</b>	L:20.5mm x W:18mm x H:2.35mm
<b>Weight</b>	1.88 g
<b>Security</b>	AES 128