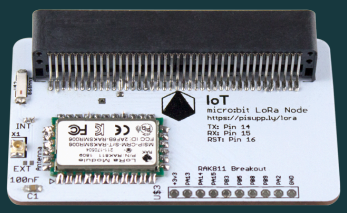
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INDUSTRIAL PRODUCT DATASHEET

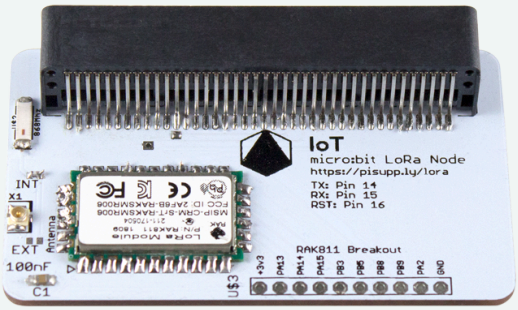
IoT micro:bit Long Range Node - 915 MHz/868MHz

The IoT micro:bit Long Range Node enables rapid IoT prototyping with low-power (<50mA) Long Range connectivity (868/915 MHz) via the RAK811 module for BBC micro:bit.

SKU	UPDATED	PRICE
113990656	2025-10-30 07:45:24	$33.90(Excl. VAT)



Overview



The IoT micro:bit Long Range Node is an inexpensive prototyping board that adds Long Range connectivity (868/915 MHz) to BBC micro:bit or other single board computers, compatible with The Things Network. It integrates the RAK811 module based on Semtech SX1276, featuring low power consumption (<50mA during transmission) and a u.FL connector for external antennas.

Key Features

Description
Long Range is the smart, wireless transmission technology that is enabling the future of IoT (Internet of Things).

Our IoT micro:bit Long Range Node allows you to create an inexpensive Long Range node, compatible with The Things Network, in conjunction with a BBC micro:bit or other single board computers. This board allows quicker prototyping as it has the Long Range stack on the chip. Add sensors, buttons and more to complete your Long Range network!

The IoT micro:bit Long Range Node uses the **RAKWireless RAK811 Long Range node module** which is based on Semtech SX1276 Long Range technology.

The board can be configured to use either of the two different frequencies listed below:

- 868 MHz
- 915 MHz
- Need more information about frequencies in your region? **Click here**.

Compatible with

- BBC micro:bit

Pair the micro:bit Long Range Node with our Long Range Gateway HAT

We also have a Long Range Gateway HAT designed for the Raspberry Pi that works with the micro:bit Long Range Nodes plus any other node we sell.

- **IoT Long Range Gateway HAT for Raspberry Pi**

- Uses RAK811 Long Range Radio with full Stack embedded
- Supports Long Range Connections and Long Range P2P Modes. u.FL connector and antenna allowing different antennas to be used or integrated into boxes with external antennas.
- Low power - uses less than 50mA During transmission

What's Inside?

- IoT micro:bit Long Range Node
- **RAK811** Pre-assembled
- Stickers
- Info card

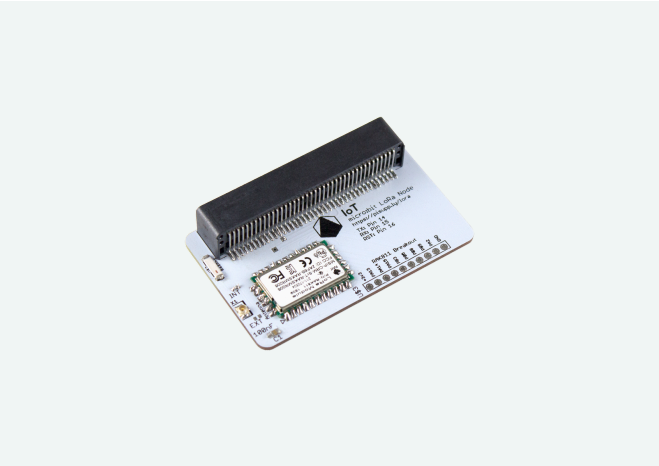
Setup Guides

- **GitHub**
- **Getting Started with the IoT micro:bit Long Range Node**

IoT Long Range Boards - Your Gateway to the Internet of Things

The Things Conference 2019 Roundup - Amsterdam 2019

Product Gallery





Compliance & Logistics

HSCODE	8517709000
USHSCODE	8517790000
UPC	
EUHSCODE	8517180000
COO	UNITED KINGDOM

Resource Links

- https://www.seeedstudio.com/IoT-micro-bit-LoRa-Node-868MHz-915MHz-p-4030.html

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