

## IoT micro:bit LoRa Node (868MHz/915MHz)

LoRa (Long Range) is the smart, long-range, wireless transmission technology that is enabling the future of IoT (Internet of Things).

Our IoT micro:bit LoRa Node allows you to create an inexpensive LoRa 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 LoRa stack on the chip. Add sensors, buttons and more to complete your LoRa network!

The IoT micro:bit LoRa Node uses the RAKWireless RAK811 LoRa node module which is based on Semtech SX1276 LoRa 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 LoRa Node with our LoRa Gateway HAT**

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

- IoT LoRa Gateway HAT for Raspberry Pi

### **Features**

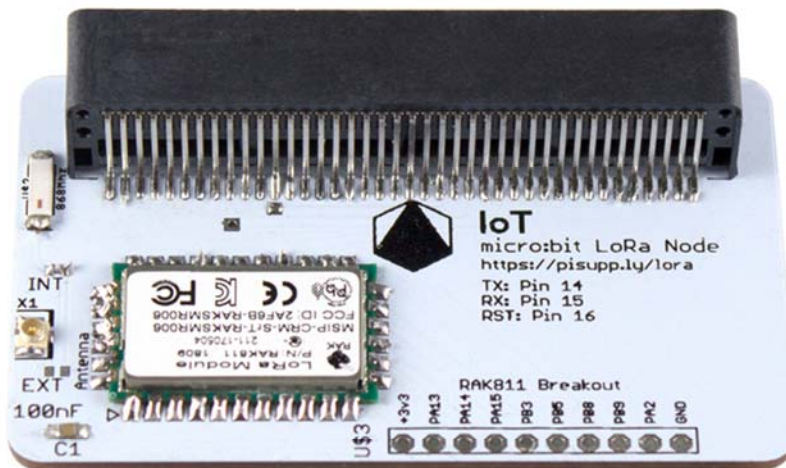
- Uses RAK811 LoRa Radio with full LoRaWAN Stack embedded
- Supports LoRaWAN Connections and LoRaP2P Modes. u.FL connector and antenna allowing different antennas to be used or integrated into boxes with external antennas.
- Low power - uses less than 50mA During transmission

### **What's Inside?**

- IoT micro:bit LoRa Node
- RAK811 Pre-assembled
- Stickers
- Info card

## Setup Guides

- GitHub
- Getting Started with the IoT micro:bit LoRa Node



<https://uk.pi-supply.com/products/iot-micro-bit-lora-node/5-7-19>