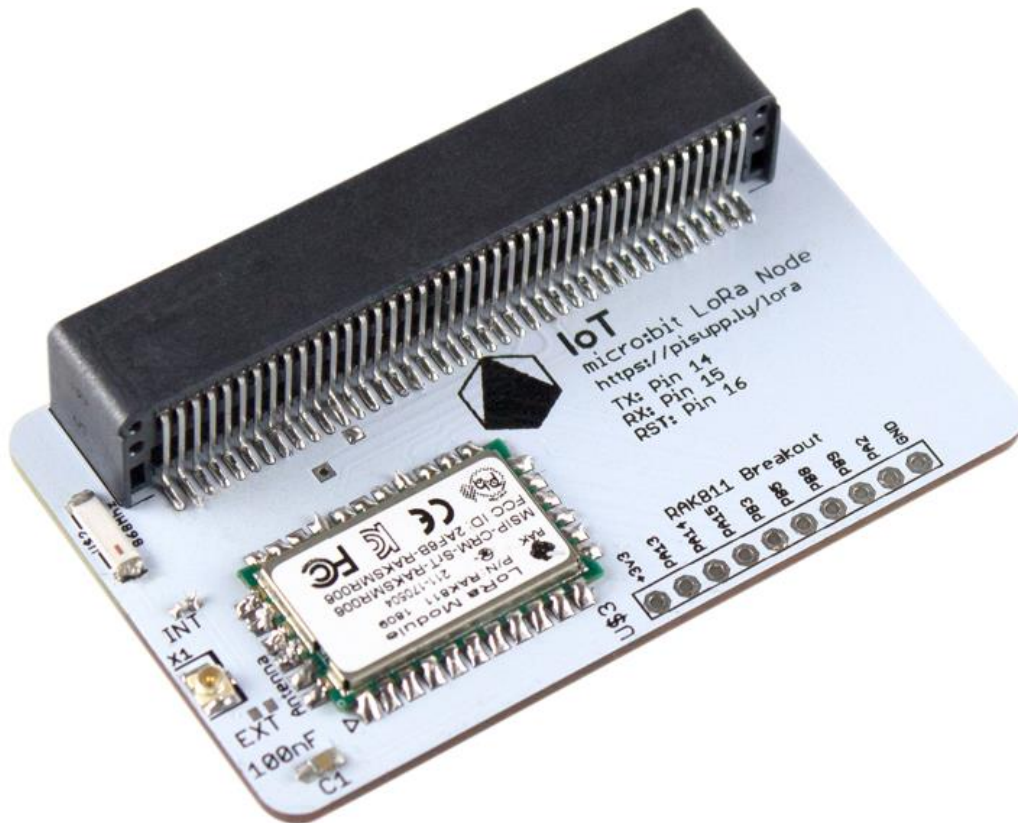




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The IoT Hardware Enabler



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

Compatible with

- BBC micro:bit

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

Contents:

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

ECCN/HTS

HSCODE	8517709000
USHSCODE	85177000