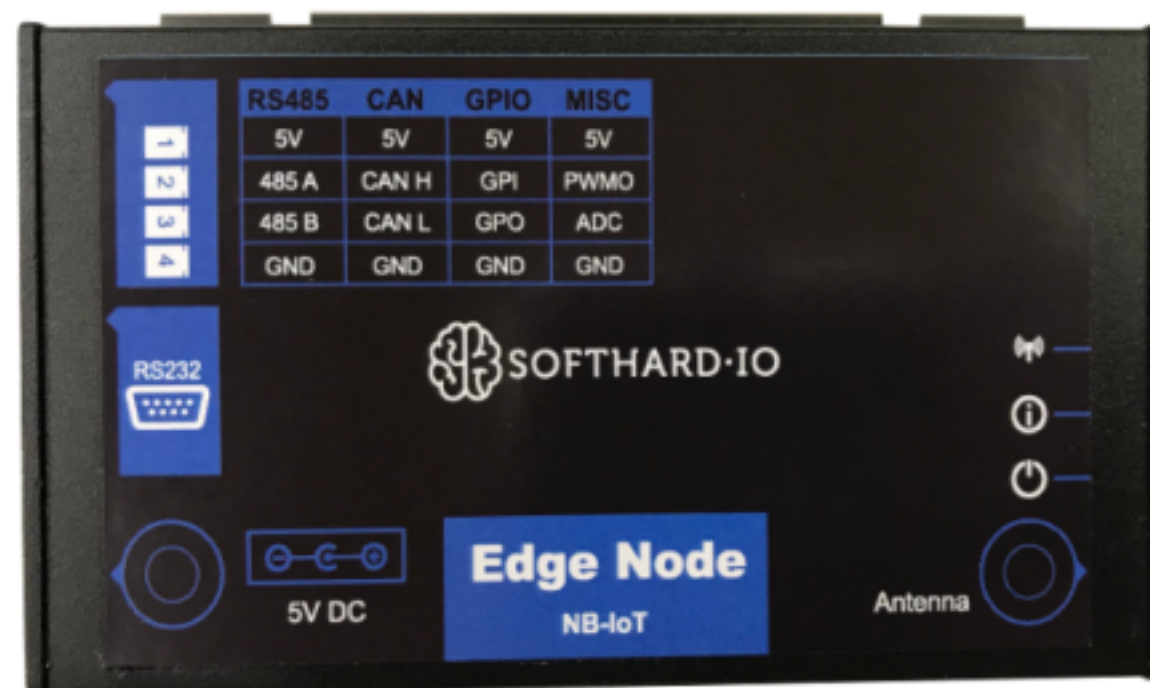


Edge Node



General Description

The Edge Node speeds up your Internet of Things (IoT) project deployment in an easy and scalable way. The node consists of various interfaces which provides flexibility to connect to sensors with different interfaces.

Features

- Long range communication. Up to 10 miles / 16 km range in line-of-sight condition.
- Deep in-building penetration - 1 to 3 miles / 2 km.
- Low-Power Wide Area Network (LPWAN) RF module.
- Able to collect difference data
- Low-cost service packages
- Local status LEDs with transmission and online status indicators
- 2-way communication
- DC operation

Product Customization

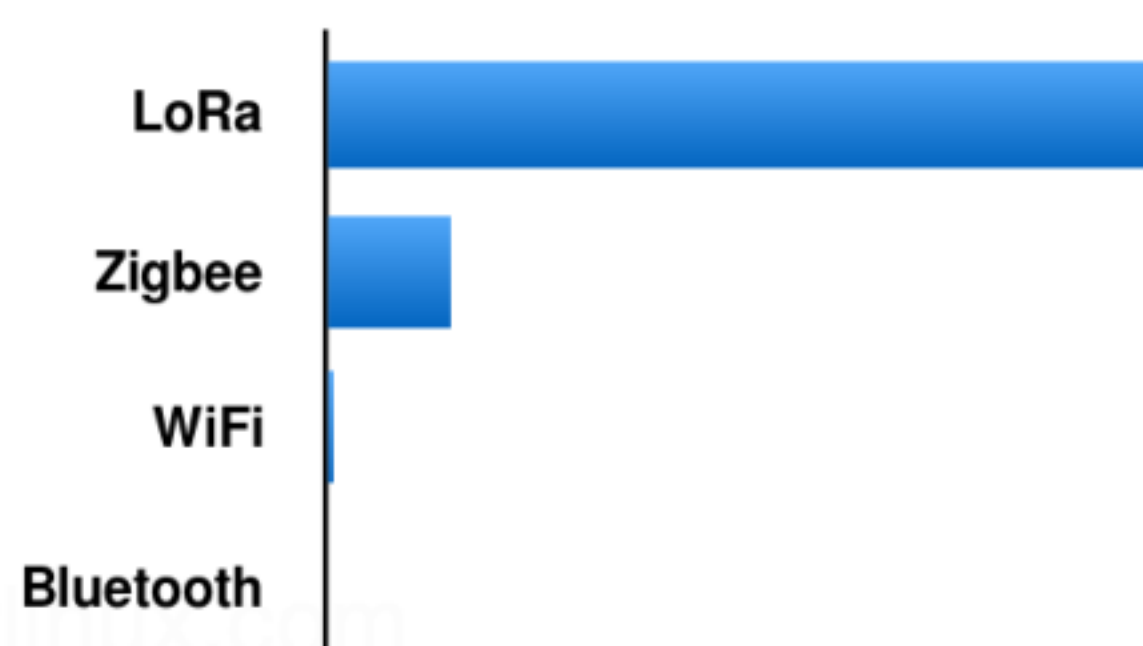
Customized products for special requirement to fit your needs. From design to manufacturing, we provide one stop service for OEM/ODM.

Example Applications

- Remote Control
- Data Collection
- Proximity Monitoring
- Switch Control
- Telematics
- Time Attendance

* Actual range may vary depending on environment

Wireless Range Comparison



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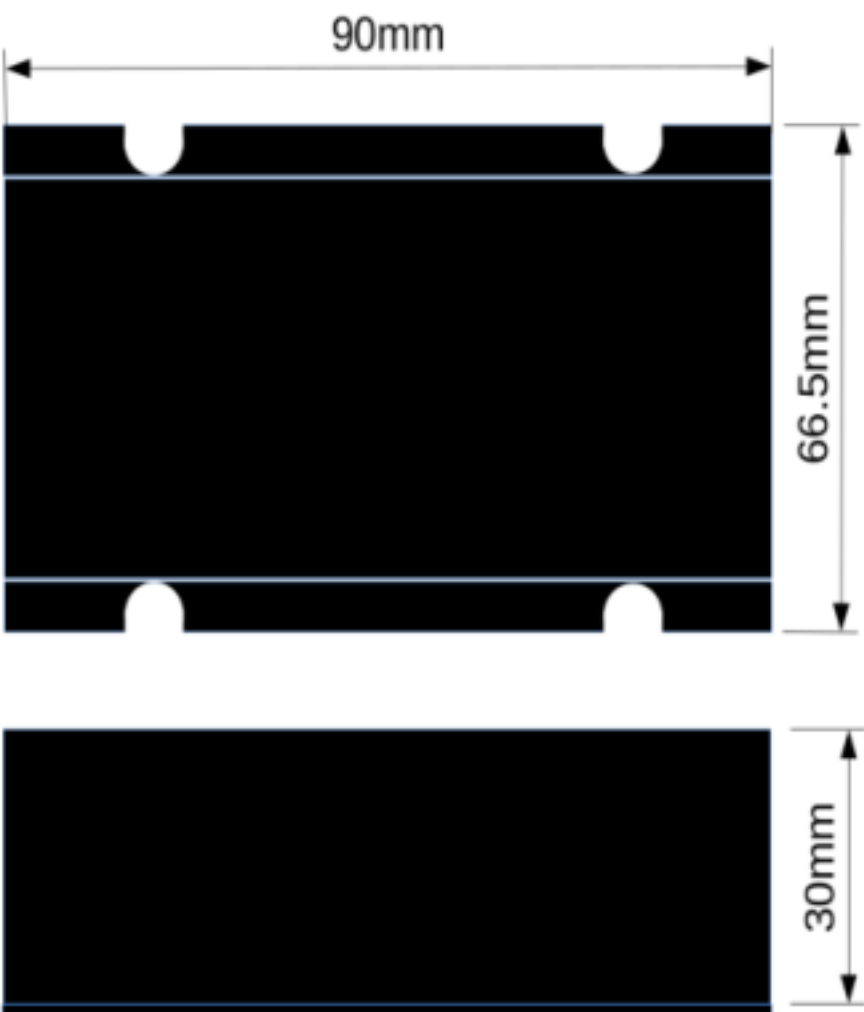
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LoRa Node



Edge Node	
Connectivity	
Technology	LoRaWAN 1.0.1 compliant / NBIoT
Antenna	SMA
Data Input	
RJ14	RS232
Terminal Block	RS485 / CAN / GPIO / PWM / Analog
Built in sensor	Temperature, humidity and g-sensor
Power	
Input Power	DC 5V
Mechanical	
LEDs	Power Status, Connection Status, Data Transfer Status
Enclosure	
Dimensions	66.5mm x 90mm
Environmental	
Operating Temperature	-10 to +70 °C (14 to 158 °F)
Storage Temperature	-20 to +85 °C (-4 to 185 °F)
Wireless	
Frequency	860-1020 MHz
Wireless Range	Up to 10 miles / 16 km range Deep in-building penetration - 1 to 3 miles / 2km
Security	AES-128
Data rates	293bps - 20 Kbps + FSK up to 300Kbps

For more information about our products or to place an order, please contact our sales department at sales@softhard.io .