Specifications

Super-Modem

SKU: 4745010309199

General specifications

- **Name:** Super-Modem
- **Size:** 108x58x33mm
- **Weight:** ~ 125g - with housing
- **Power:** 5V, supplied via power connector
- **Wi-Fi frequency band**: 2.4GHz 802.11n
- **Bluetooth**: Bluetooth Classic 4.1 and Bluetooth LE
- **Radio frequency band:** 868/915MHz
- **Radio output power**: <10 mW (<10 dBm)
- **Ports:** 4-pin power connector, 7-pin interfaces connector

Overview

- The modem is the system's central controller and must always be active when the system is running.
- Modem’s hardware supports up to 250 beacons –mobile + stationary in any combination.
- Modem is used to set up the system, monitor it, andinteract with the Dashboard

Interfaces

- UART
- SPI
- Virtual UART via USB
- RS485

Supported Accessories

- Antenna Full-size

Applications

- Industrial (Forklift/people tracking, factory automation)
- Healthcare (locate assets, patients & staff)
- Retail (security, navigation, customer analytics)
- Consumer (connected home, sports analytics)
- Distance measurement indoors



Key Features

- Wi-Fi support for UDP streaming and remote control of the modem and the whole system via two-directional UDP
- Bluetooth (HW enabled but not supported in SW)
- Full-size bendable antenna by default
- Higher ingress protection. Up to IP67 (optional)
- Designed for outdoor and industrial applications
- External bendable antennas with SMA connector for extended radio range included
- Super-Modem’s HW supports Super-Modem and Super-Super-modem functionality for Multi-Modem architecture
- Supports all types of beacons working in the 868/915MHz band (including Super-Beacons, all Industrial beacons, Mini-RX, Beacons HW v4.9, Helmets, Badges, Jackets, Watches, etc.)

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