

General specifications

- **Name:** Super-Modem
- **Size:** 108x58x33mm
- **Weight:** 125g
- **Power:** 12V, supplied via power connector
- **Wi-Fi frequency band:** 2.4GHz 802.11n wireless LAN
- **Radio output power:** 10dBm
- **Radio frequency band:** 868/915MHz
- **Bluetooth:** Bluetooth Classic 4.1 and Bluetooth LE
- **Ports:** 4-pin power connector, 7-pin interfaces connector

Overview

Modem is a central controller of the system and must be always active, when the system is running
Modem's HW supports up to 250 beacons – mobile + stationary in any combination
Modem is used to set up the system, monitor it, and interact with the Dashboard

Interfaces

- RS485
- UART
- SPI
- Virtual UART via USB

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

- **WiFi support for UDP streaming** (now) and future remote control of the modem and the whole system via TCP-IP
- **Bluetooth** (HW enabled, but not yet 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 (among them: Super-Beacons, all Industrial beacons, Mini-RX, Beacons HW v4.9, Helmets, Badges, Jackets, Watches, etc.)