

General specifications

- **Name:** Modem HW v5.1
- **Size:** 30x30x60mm
- **Weight:** - 20g - with housing
- **Power:** 5V, supplied via Micro-USB cable
- **Radio frequency band:** 868/915MHz
- **Radio output power:** 10dBm
- **Ports:** Micro-USB port

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

- 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

Modem v5.1 vs. Modem v4.9 comparison

	Modem v5.1	Modem v4.9
TX output power	4x*	x
RX sensitivity	11x**	x
Processor	10x	x
Certification	<ul style="list-style-type: none"> - T108 (Japan): 018-200238 - FCC (US) – ongoing - Other certifications – on request 	<ul style="list-style-type: none"> - FCC ID: 2AL2L915MHZM - No new certifications
SW support	<ul style="list-style-type: none"> - Supported in new SW releases - New SW features added 	<ul style="list-style-type: none"> - Supported in new SW releases - No new features added
Bands	<ul style="list-style-type: none"> - 868/915MHz - On request 	<ul style="list-style-type: none"> - 868/915MHz - 433MHz