



**LONG RANGE WIRELESS BASE STATION
ETHERNET OR CELLULAR COMMUNICATION
LOCAL OR REMOTE EASY SETUP**

The LSGWAY is the home base allowing to connect a wide range of LS wireless datalogger used to connect numerous sensor types.

Description

The **LSGWAY** is the base station at the center of wireless network using any type of **LS** loggers used to monitored a wide range of instruments.

Data can easily be retrieved in from any network connected computer thanks to the web based software or using a USB cable connected to a laptop or Android smartphone. Data is collected in CSV format and further facilitates download to a spreadsheet software for post-processing.

The **LSGWAY** is housed in a high-impact polycarbonate, IP 67 rated enclosure and therefore design for outdoor and unprotected environments.

The **LSGWAY** has a lower power consumption. It can either be powered by batter, Power over Ethernet or using a Solar Panel.

Key Features

- ISM Sub 1 GHz band
- Allows remote setup of any LS type logger
- Star configuration wireless network
- Easy set-up
- Fast data retrieval using web based software
- Low power consumption
- IP 67 rated enclosure

Applications

- Allows monitoring of the following instrument signal input:
- Vibrating Wire
- Analog (V, mA, RTD)
- Digital (RS485 1/2 and full duplex)

Specifications

Radio	ISM Sub 1 GHz band, sensitivity: up to -137 dBm 868 MHz ISM, 915 MHz FCC ISM and 915-928 MHz ISM available
Antenna	Detachable omnidirectional 1/2λ dipole
GPS	GNSS High Sensitivity GPS module with integrated GPS antenna
Network interface	10/100 Ethernet WAN (RJ45 PoE) Integrated 3G Modem & Antenna (HSDPA, EDGE, GPRS) quad band (SIM card required)
Typical data usage	150 MB / month
Temperature operating range	-20 to 60°C
Power supply	48 VDC (Power over Ethernet) using the supplied adaptor 11-30 VDC using a solar panel
Power consumption	3 Watts
Weatherproofing	IP 67 enclosure
Dimensions	210 x 310 x 170 mm, including mounting kit