RESENSYS

SeniMax™ Data Logger and Gateway

Ultra-Low Power Sensing and Remote Wireless Communications
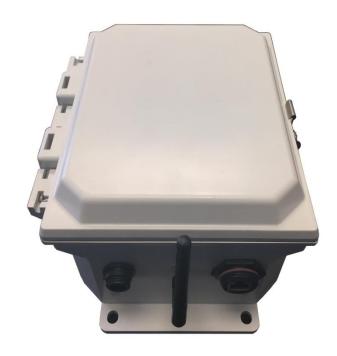
Features

- **Ultra-low power**: consuming only 20mW

- **Energy self-sufficient:** powered by ambient light; when battery fully charged, operates more than three weeks in absence of light

- **Wireless protocols:**

    - IEEE 802.15.4 (for communication with SenSpot™ sensors)

- **Ingress Protection:** IP65, weatherproof and protected against rain, snow, and UV exposure

- **Coverage:** up to 250 SenSpot™ sensors

- **Lightweight:** 1.5Kg (3.3 lbs.)

Applications

Resensys SeniMax is a low power and high performance data collector and remote communication device. SeniMax communicates with SenSpot sensors using IEEE802.15.4 protocol. Additionally SeniMax has capability to communicate the aggregated data of SenSpot sensors to any remote data center using the Ethernet port.

In a remote measurement and monitoring architecture, SeniMax is the gateway for transmitting data of SenSpot sensors to a remote monitoring center. SeniMax receives data of Resensys SenSpot sensors using its wireless interface, and communicates it to a remote server through the Ethernet port. A single SeniMax can over up to 250 SenSpot sensors in its communication range.

SeniMax is ideal solution in applications of distributed sensing and data acquisition where there is no access to main power or communication infrastructures. Particular applications include: Structural integrity monitoring for highway bridges, construction projects, pipelines, etc.

Dimensions: Main Box

14.30 [0.56]   170.69 [6.72]

215.90 [8.50]

All Dimensions are in mm [inch]

101.47 [4.00]

.87 [22.10]

131.75 [5.19]