EMBEDDED PLANET

EPM2M-NORAM

Wireless Sensor

The EPM2M-NORAM Sensor Module is an industrial grade wireless sensor for LoRa based wireless sensor network technology from Semtech. LoRa is built for long range wireless sensor applications. The EPM2M-NOARM provides an easy to use, seamless connection between the physical sensing world and the EPM2M-LORA Gateway using LoRa. At the heart of the EPM2M-NORAM module is the Semtech LoRa SX1272.
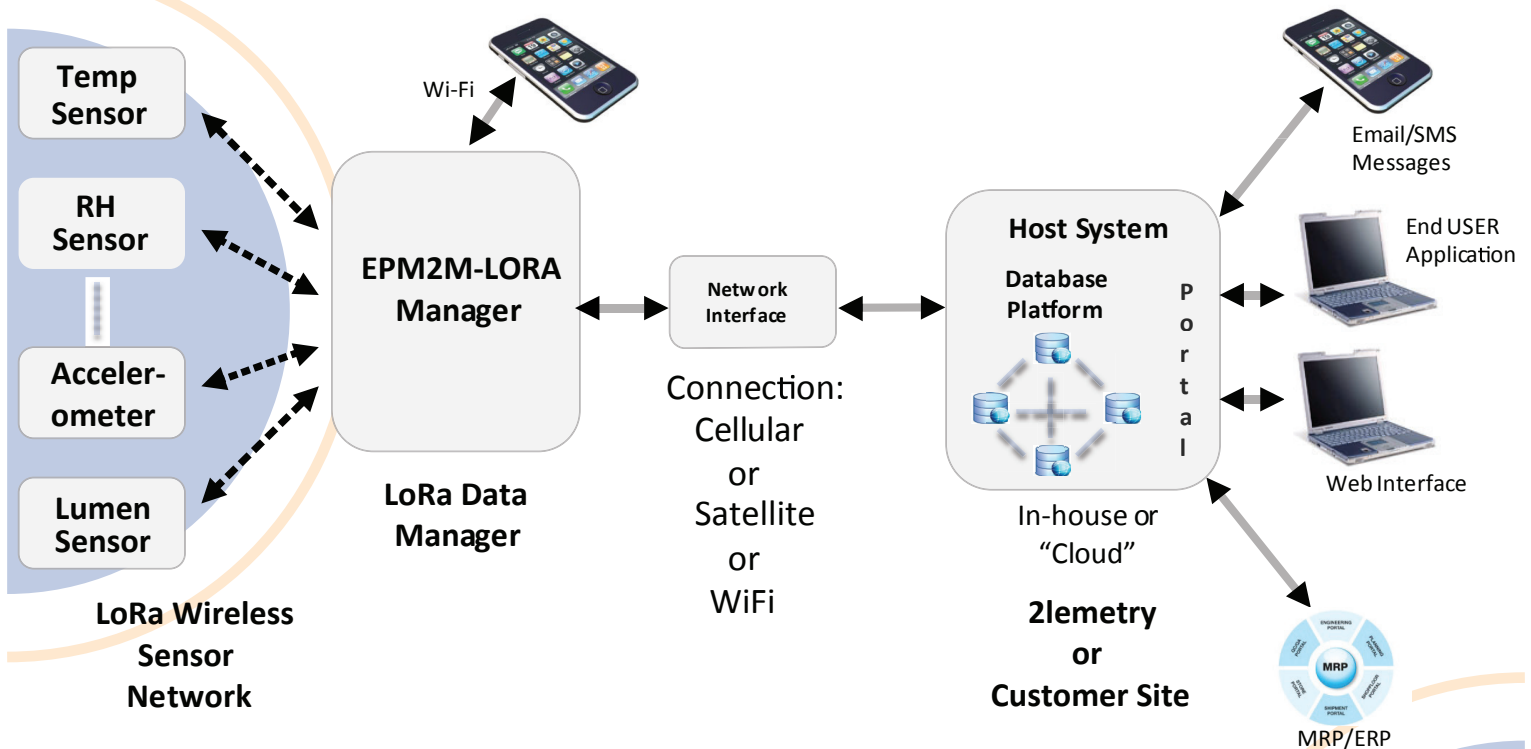
The EPM2M-NORAM includes sensors for GPS, pressure, accelerometer and temperature. By leveraging LoRa Embedded Planet has created a complete wireless sensor solution which provides excellent range, long range, low power consumption and can be use in harsh RF environments.

The EPM2M-NORAM module is a cost-effective and powerful platform for developing LoRa based sensors. The module allows developers to quickly integrate the sensors needed to develop a proof of concept or test system.

Feature Summary:

Specification:	Description:
Radio:	SX1272 (PCB or External Antenna)
Sensors:	GPS Pressure Accelerometer Temperature
Processors:	STMicro - STM32L152
Development:	mbed enabled
I/O:	Arduino interface
LEDs:	User configurable
Manager:	Data access via EPM2M-LORA Manager
Power:	Battery or USB

M2M Data Access and Management

Temp Sensor

RH Sensor

Acceler-ometer

Lumen Sensor

LoRa Wireless Sensor Network

Wi-Fi

EPM2M-LORA Manager

LoRa Data Manager

Network Interface

Connection:
Cellular
or
Satellite
or
WiFi

Host System

Database Platform

Portal

In-house or "Cloud"

2lemetry or Customer Site

Email/SMS Messages

End USER Application

Web Interface

MRP/ERP

Let Us Do The Heavy Lifting

- Embedded Planet offers a complete set of software and hardware services to go along with our Off-the-Shelf solutions.
- Embedded Planet has extensive experience with embedded operating systems and firmware. Our stock configurations of operating systems and firmware can be customized to meet your particular needs.
- We can alleviate the headaches associated with volume production of embedded systems. Your product is delivered 100% tested from an ISO-9002 certified manufacturing facility.
- Our capabilities are available on a project basis to design custom solutions specifically tailored to your application.
- Contact Embedded Planet to find out how we can accelerate your project.