EPM2M-LORA
Wireless Gateway

The EPM2M-LORA Gateway is an industrial grade complete cellular gateway for Semtech LoRa based wireless sensor networks. Semtech's LoRa technology provides significant benefits for range, robust performance, and battery lifetime.

The EPM2M-LORA provides an easy to use, seamless connection between any LoRa based network and the Internet via cellular, Ethernet or Wi-Fi.

The EPM2M-LORA includes optional plans for Verizon cellular service and cloud based data access. Embedded Planet can provide a complete end-to-end solution from sensor to cloud visualization for your sensor data. This allows an OEM to provide their customers with a web-based interface for eq ipment monitoring and support.

The EPM2M-LORA Gateway can be integrated with different enclosures targeting both indoor and outdoor applications.
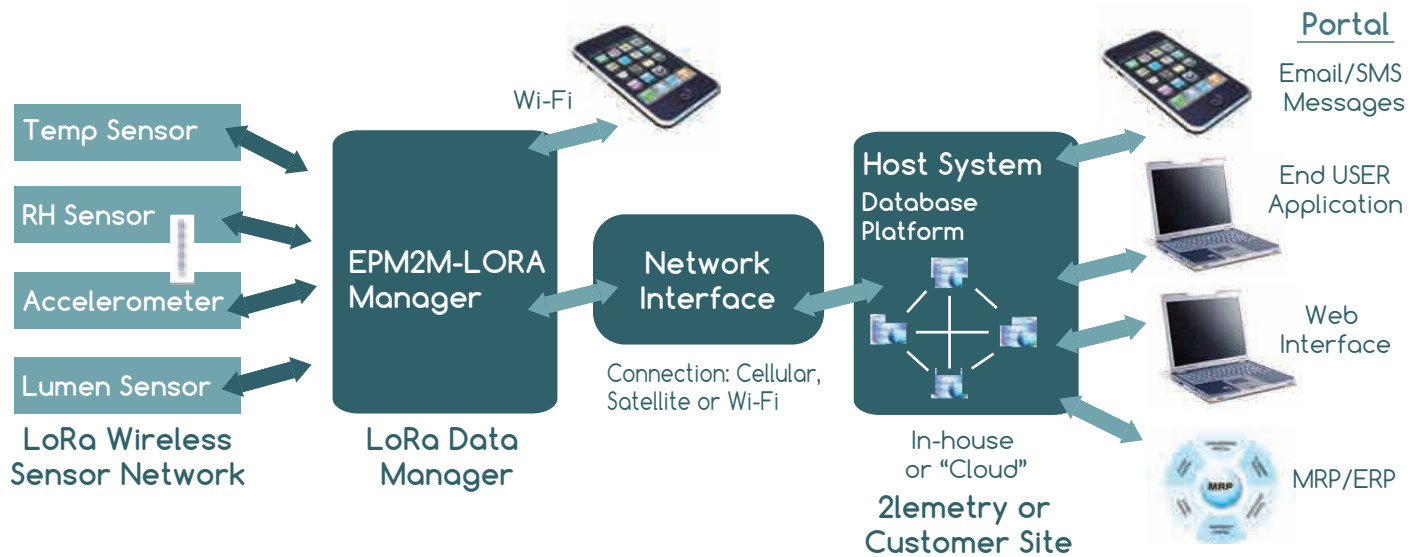
Feature Summary:

Specification:	Description:
Memory:	DDR up to 256MB FLASH Storage: With optional Micro SD socket
Data Plan:	Optional plans available through Arrow
Cloud Data:	Optional plans available for cloud based data access via cellular, Ethernet or Wi-Fi using 2lemetry or other
Cellular:	CDMA - Janus CDMA Terminus Plug-In CDMA864CF; includes GPS; Verizon Certified GSM - Janus GSM/GPRS Terminus Plug-In GSM865C; includes GPS; PTCRB and AT&T Certified
Wi-Fi:	802.11 a/b/g
Wireless Sensor:	Semtech LoRa Conentrator SX1301
I2C Devices:	Accelerometer and Pressre sensor
Ethernet:	Ethernet - 1x10 / 100 / 1000 Mbps
USB:	1 USB
Power:	Standard 5V power supply
Software:	u-boot firmware and Linux support Gateway configuration via web access Device Cloud Platform (2lemetry, for example) access via wired Ethernet, Wi-Fi or cellular Additional functions include database access, alarming, logging and diagnostics

EPM2M-LORA
Wireless Gateway

M2M Data Access and Management

Wi-Fi

Portal

Email/SMS
Messages

Temp Sensor

RH Sensor

Accelerometer

Lumen Sensor

**LoRa Wireless
Sensor Network**

EPM2M-LORA
Manager

**LoRa Data
Manager**

Network
Interface

Connection: Cellular,
Satellite or Wi-Fi

Host System
Database
Platform

In-house
or "Cloud"

**2lemetry or
Customer Site**

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.

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