

EPM2M-LORA

LoRa 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 equipment monitoring and support.



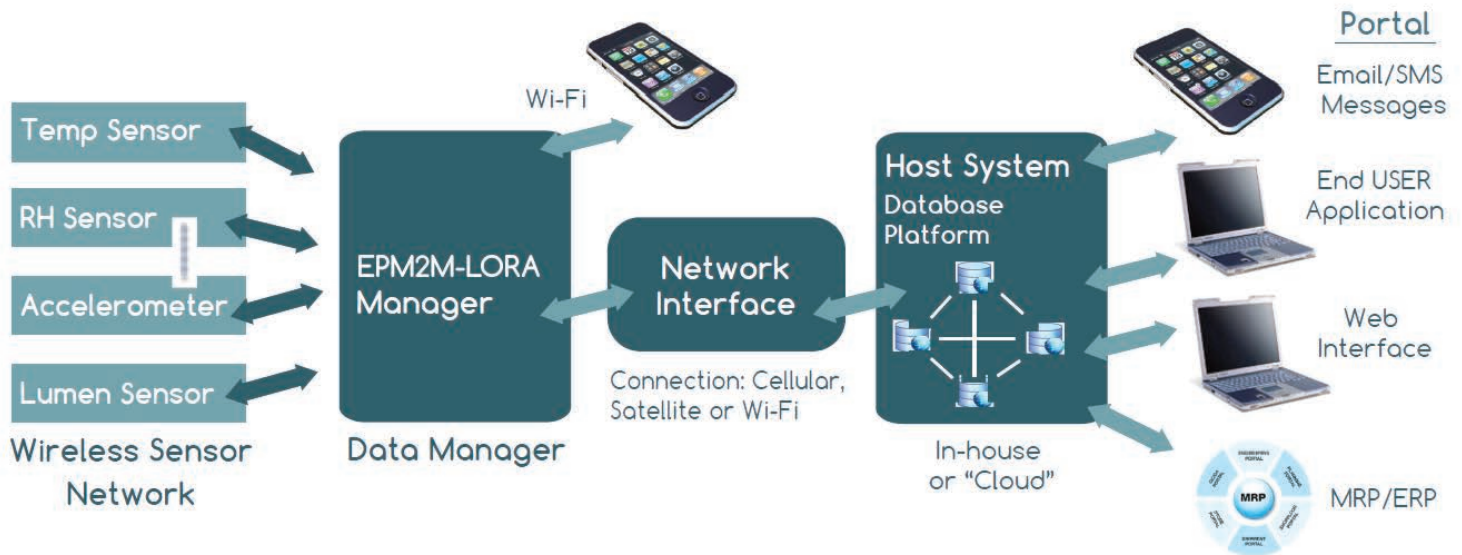
Feature Summary:

| Specification: | Description: |
|--------------------------|--|
| Processor: | i.MX6UL (528MHz processor with ARM Cortex-A7 core) |
| Memory: | DDR 512MB |
| Flash: | 4GB eMMC, 64MB QuadSPI NOR flash |
| Ethernet: | 1x10 / 100 / 1000 Mbps |
| Bluetooth: | Bluetooth 4.0, 4.2, 5.0 |
| Wi-Fi: | Dual-band 802.11abgn |
| Wireless Sensor Network: | Semtech LoRa Concentrator SX 1301 |
| Cellular: | Cat 1 / Cat M / NB-IoT |
| USB: | 1 USB 2.0 OTG |
| UART: | RS-232 / RS-485 |
| CAN: | 2 FlexCAN ports |
| User Interface: | User pushbutton and RGB LED |
| Analog: | 8 analog channels, individually selectable between contact closure, voltage input, 4-20mA input. |
| Onboard Sensors: | Ambient light, temperature/humidity, accelerometer/magnetometer |
| External Sensors: | 1-wire via RJ-45 |
| Power Input: | 12 volt barrel connector |
| Battery: | PMIC with rechargeable coin cell battery backup |
| Software: | u-boot firmware and Linux support Gateway configuration via web access Device Cloud Platform access via wired Ethernet, Wi-Fi, cellular Additional functions include database access, alarming, logging and diagnostics |

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M2M Data Access and Management



- Embedded Planet is a complete IoT solution using epConnect with Sensors, Gateways and Cloud connectivity.
- epConnect solutions include LoRa, Wi-Fi, Cellular, BLE, SmartMesh and other wireless protocols.
- Embedded Planet has extensive experience with embedded operating systems and firmware. epConnect can be branded and customized to meet your particular needs.
- We can utilize epConnect to implement your complete IoT infrastructure.
- 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.
- Contact Embedded Planet to find out how we can accelerate your project