EPM2M-SM-IP
SmartMesh Gateway

The EPM2M-SM-IP Gateway is an industrial grade complete cellular gateway for Analog Devices / Linear Technology / Dust Networks SmartMesh IP based wireless sensor networks. SmartMesh IP is built for IP compatibility and is based on 6LoWPAN and 802.15.4e standards. The EPM2M-SM-IP provides an easy to use, seamless connection between any SmartMesh IP based network and the Internet via cellular, Ethernet or Wi-Fi.

The EPM2M-SM-IP includes optional plans for cellular service and cloud based data access. Embedded Planet can provide a complete end-to-end solution from sensor to cloud visualization for your sensordata. This will allow any OEM to provide their customers with a web-based interface for equipment monitoring and support.

Leveraging embedded Linux, the EPM2M-SM-IP Gateway creates a powerful platform for any M2M implementation.
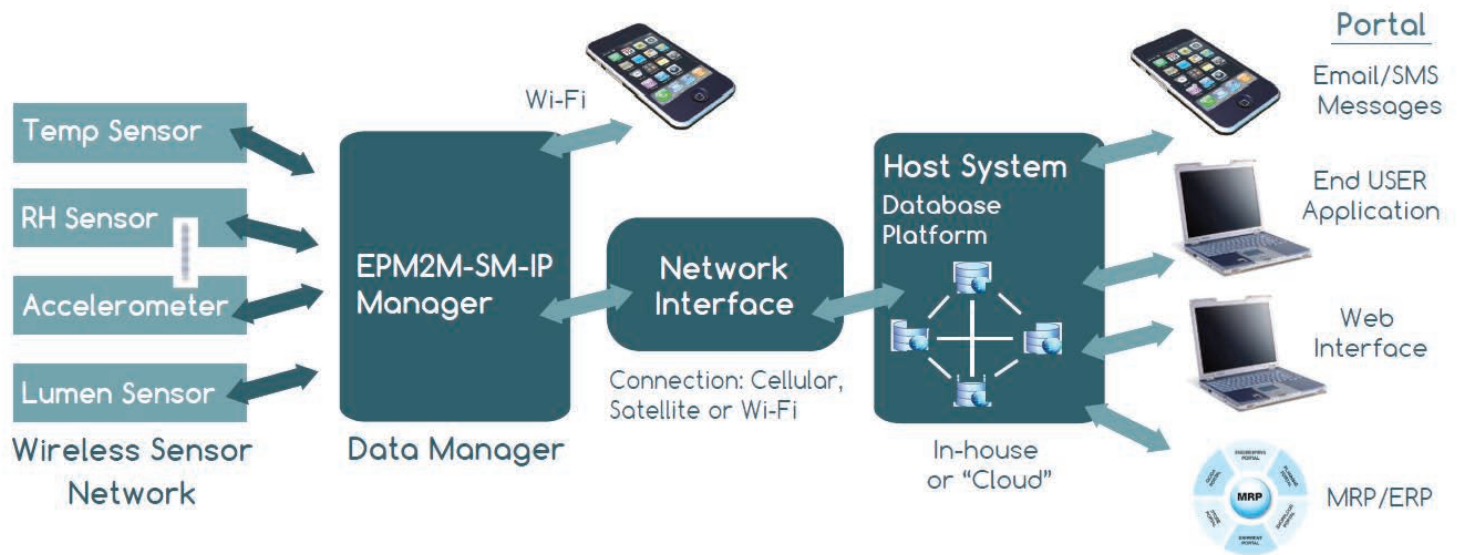
Feature Summary:

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:	Analog Devices SmartMesh IP
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 epConnet 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