Power Micro Controls IoT Sensing and Control

General Description

The PMC-IoT-G is a simple while very versatile IoT Gateway. It supports the connection of 16(sixteen) PMC-IoT-I wireless sensing modules.

It's comprised of two units, the Wireless Sensor Interface and the Internet Interface thus you can select the Internet connection that best suit your application.

Operation

The PMC-IOT-G Wireless Gateway receives all encrypted packages from the sensing module and send them thru the Internet Wireless Interface to the IoT Cloud Platform.

Additional I/O capability

Several Gateways can coexist in the same physical area this means that you sensing network can grow as you need.

Internet Connections

Our Gateway can be supplied with three versions: Ethernet, WiFi and Cellular. Cellular requires a Cellular carrie service and SIM card.

Settings

Settings include, Wifi Access Point Name , DHCP or fixed IP, ling, notifications, alerts, and reports. The Installation is simple and fast. You can order a pre configured system and add more sensor later on.

Encryption

The End-to-End Encryption insures no one can access your information or hack your system.

Features

- Reliable Wireless Communication
- Multiple sensor boards support
- Several Internet connection options.
- RF Amplifier for long range
- End to End data Encryption
- Very low cost Cloud access and Storage
- Direct Alerts to mobile (Android, IOS under development).

Power Micro Controls IoT Sensing and Control

Wireless Sensing and Control Module PMC-IOT-G Specifications

Specifications	
Supply Voltage	External Power Supply 8-40 volts
Current Consumption	60 ma
Temperature Range	-10 to 85 degrees
Antenna	Internal or External Antenna (optional)
RF	2.4 Ghz WiFi and Bluetooth coexistence
Security	End-to-End Encryption, 128 bit, optional 256 bit.
Ethernet Interface Option	Standard RJ45 ethernet connector
WiFi	11 b/g/n, WPA2 authentication
Cellular	2G, 3G , 4G , NB-IoT, CAT-M1

Power Micro Controls IoT Sensing and Control

Mesh Networking

Wireless Sensor Module 1

Mesh Networking

Wireless Sensor Module 2

Wireless Sensor Module 4

Wireless Sensor Module 3

Wireless Sensor Module 16

IoT Cloud

Gateway

Wireless Sensor Access Point

Internet Connection Interface
WiFi/Ethernet/Cellular