



## NEW PRODUCT HIGHLIGHT

### IOT GATEWAY REMOTE ASSET MONITORING

The IoT Gateway allows virtually any sensor to be monitored from anywhere with an internet connection. Designed for fast and easy integration with wired or wireless devices at minimal implementation cost.

#### PROPRIETARY WIRELESS COMMUNICATION USING THE 2.4GHZ ISM BAND

Provides clear, reliable transmission of data in environments with obstructions.

#### CONNECTS WITH UP TO 128 WIRELESS TRANSMITTERS

Sensing application points are easily scalable and can be logically architected by channel

#### DIGITAL & ANALOG NETWORK - 8 DIGITAL INPUTS AND 4 RELAY OUTPUTS

Encompasses additional value by enabling local circuit options like wired inputs, Andon lights, and audible alarms.

#### DATA SECURITY

Confidently maintains security in all directions. "Southbound" AES-128 Encryption (to the sensor). "Northbound" TLS1.2 (to the network architecture).

#### SENDS DATA VIA MQTT TO ON-PREMISES SERVERS OR THE CLOUD USING THE BUILT-IN 2G/3G OR 4G MODEM.

Works seamlessly in any OT architecture and safely transmits data to any endpoint.

#### 2G/3G, 4G GLOBAL ROAMING CELLULAR CONNECTION

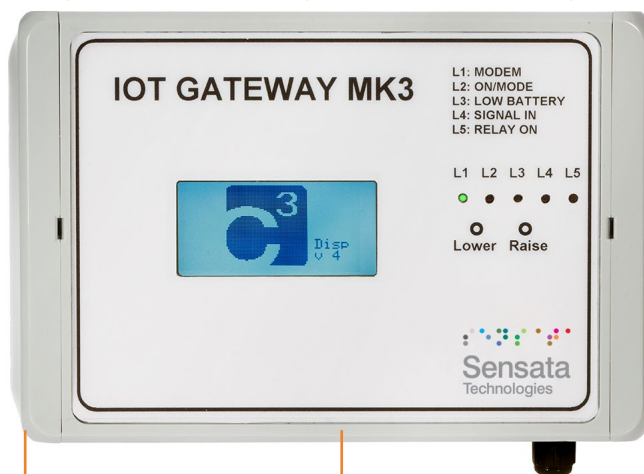
Automatically finds the best cellular network connection to ensure smooth data transmission.

#### BATTERY POWER OR 12-24 V DC

Conveniently works anywhere with battery power or supplied power

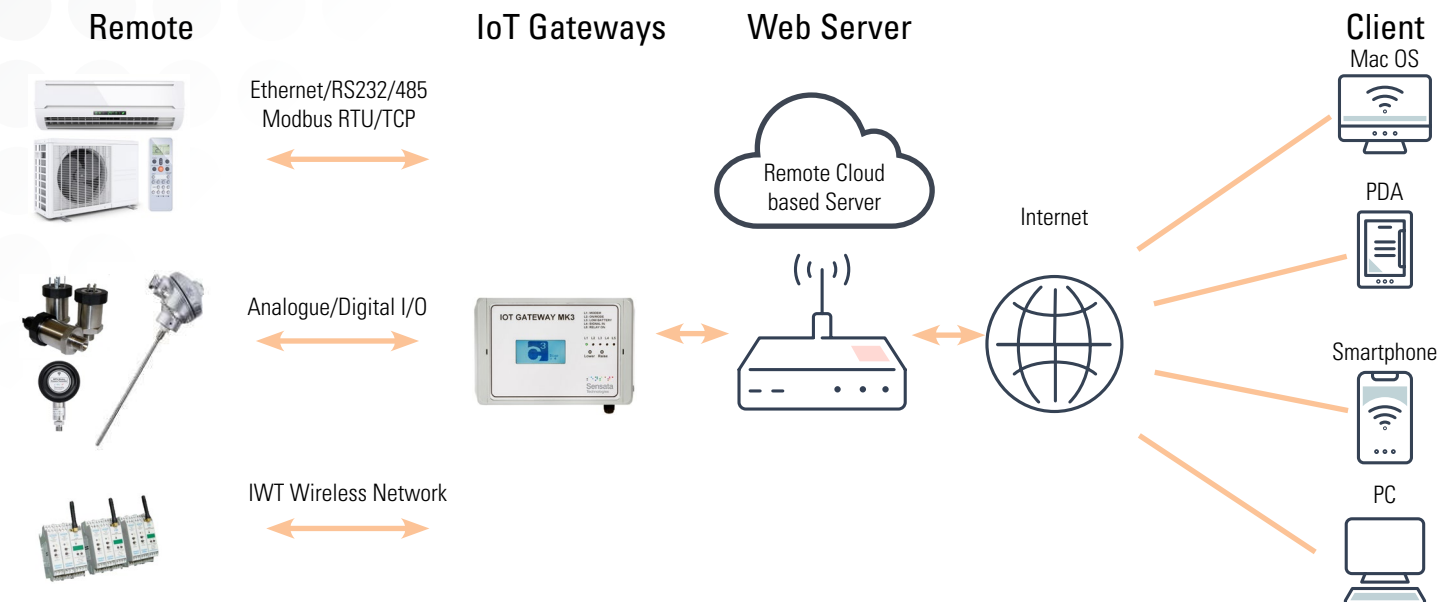
#### RS-232/485 OR ETHERNET COMMUNICATIONS PORTS

Saves development time by utilizing standard and known communication protocols.



## AGGREGATES REAL-TIME DATA FROM DISPARATE SOURCES AND COMMUNICATES TO OTHER SYSTEMS

The IoT Gateway is an important part of a dedicated wireless system that aids in the 24/7 monitoring of your critical assets by seamlessly integrating into your control architecture. It enables a smart factory or digital transformation approach by integrating sensors and controls that produce new business insights.



## APPLICATIONS

- Smart Factory
- Manufacturing
- Aerospace
- Alternative Energy
- Automotive
- Construction
- Electronics
- Food & Beverage
- Machine Tool
- Packaging
- Pharmaceutical
- Semiconductor
- Steel
- Water

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| Parameter         | Min.  | Type | Max.  | Comments                                       |
|-------------------|-------|------|-------|--|
| Supply Voltage    | 12    | 12   | 36    | Optional Battery Power from 3.6 V              |
| Transmit Bands    | 2G    | 3G   | 4G    | GPRS 3G 4G                                     |
| Analogue Inputs   |       |      |       | 4 off Analogue Inputs                          |
| Analogue i/p Res  |       |      |       | 13 bit resolution accuracy better than 0.1% FS |
| Digital I/O       |       |      |       | 8 Digital Inputs and 4 Relay Outputs           |
| Wireless Receiver |       |      |       | Can accept IWT 2.4GHz Wireless Sensors         |
| GPS Input         |       |      |       | Optional built-in GPS module                   |
| Input ports       |       |      |       | MODBUS RTU or TCP/IP, 2 x I2C or SPI Bus       |
| Display           |       |      |       | 128 x 64 pixel LCD Local Display               |
| Trans Protocol    |       | MQTT |       |  |
| Dimensions        |       |      |       | 191 x 125 x 90mm                               |
| Weight            |       |      | 190g  |  |
| Storage Ambient   | -40°C |      | +85°C |  |
| Operating Ambient | -10°C |      | +55°C |  |