GSM Industrial IoT GATEWAY

Product Overview

With our GSM IoT Gateway you can collect real-time data directly from machines and equipment and make this data into actionable insights through user-friendly cloud based dashboarding so you can make better decisions based on facts.

With our cloud based dashboarding, we can help you to bring more insights of your plants and machines in a single platform eliminating the complex multi software, expensive software thus bringing down the IT capital costs.
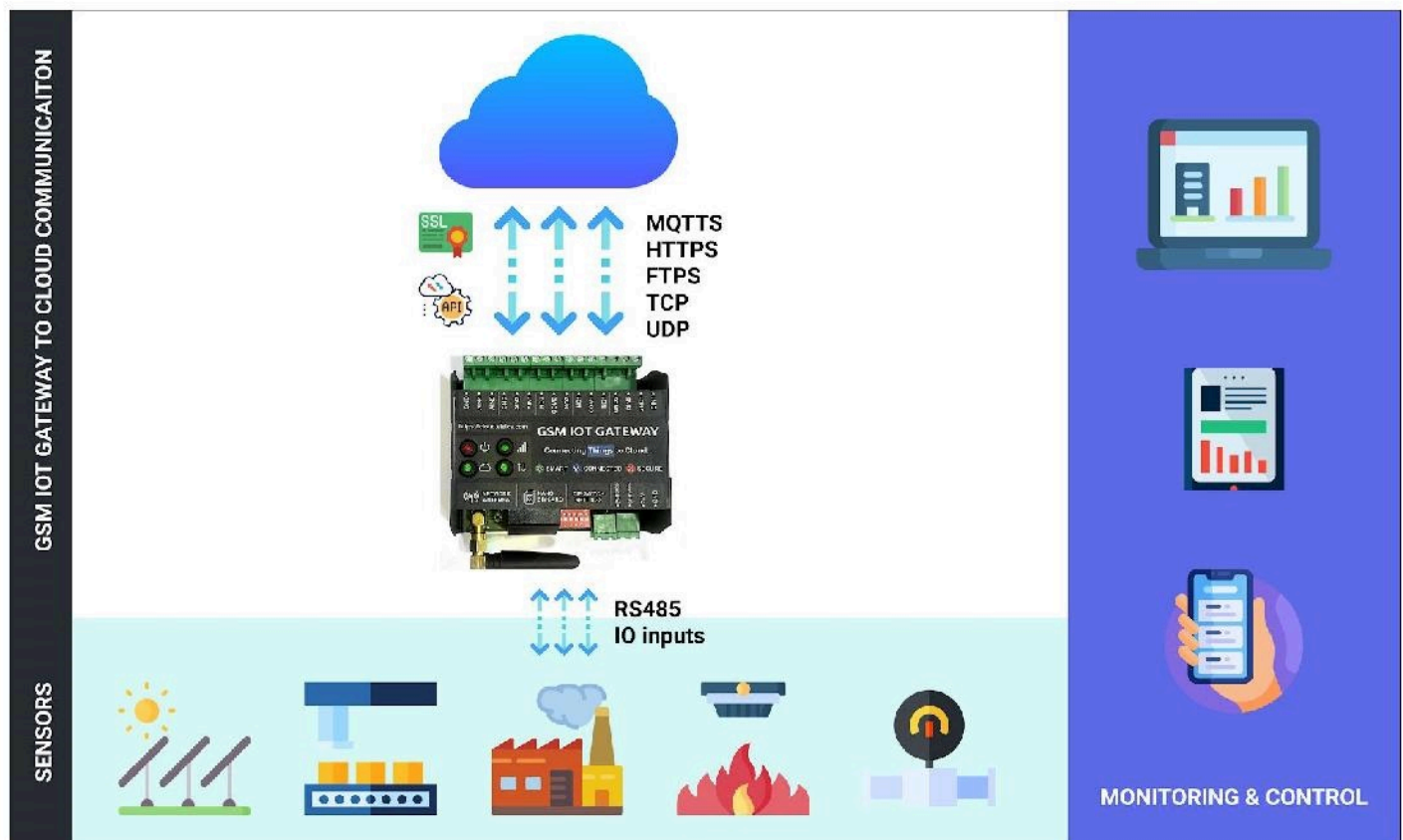

Application Segments

- ➔ Automatic meter reading
- ➔ Power monitoring and control
- ➔ Industrial control
- ➔ Temperature alerts, Indicator
- ➔ Pump control, Flow measurements
- ➔ Home Automation
- ➔ Solar remote monitoring
- ➔ Oil industry remote monitoring of oil-gas

- ➔ Power substation monitoring
- ➔ Atmospheric environment monitoring
- ➔ Greenhouse remote monitoring
- ➔ Medical & Pharma Industry
- ➔ Fire and Security Panels
- ➔ And many more..

Features

- ❏ 1 x RS-485 port for Modbus
- ❏ 2 x Analog input - 0 to 10 V , 2 x Analog input - 4 to 20mA, 2 x Isolated Digital Input
- ❏ 2 x Relay Output with NO,NC connections
- ❏ 6 way dip switch for function selection
- ❏ Wide protocol communication support for cloud communication
- ❏ OTA (Over The Air) Firmware support.
- ❏ LED Indicator provides Power, Network, Cloud and Communication status.
- ❏ Keep Alive command to maintain socket connection
- ❏ Robust Industrial Design & Easy to install and integrate
- ❏ Collect data from different instruments with our hardware
- ❏ Visualize the collected data on a custom dashboard
- ❏ Analyze incoming data to derive actionable insights
- ❏ Store data for reporting and historical analysis
- ❏ Automatic reports generation with defined time intervals and to configure mails

Technical Specifications

Input voltage	24V DC, 2A
Analog Inputs	4 nos. [2 nos. (0-10V) and 2 nos. (4-20mA)]
Digital Inputs	2 nos. (Isolated Digital Input)
Relay Output (NO, COM, NC)	2 nos.
Current Sensing	4-20mA
Voltage Sensing	0-10V
DIP Switch	6 DIP switches for user settings
Indication	4nos LED - Power, Network, Cloud and, Communication
Network Type	GSM, Low Power 2G (Quad-band 850/900/1800/1900MHz)
Cloud Communication	TCP, UDP, HTTP, HTTPS, MQTT, MQTTS, SSL/TLS
Protocol Format	JSON / String Format
Device Configuration	Cloud based or as per client requirement (MOQ: 100 nos.)
Communication Channel	RS-485, Device IOs
Mounting	DIN Rail and Wall Mount
Mounting Type	Snap In
Enclosure Material	ABS (IP20)
Operating Temperature	0 to 70 Degree C
Operating Humidity	95% RH
Dimension (W x H x D)	Width: 90 mm, Height: 105mm, Depth: 52mm
Weight	Approx. 100g