MODGATE modbus - Cloud Gateway

Part #: MODGAT

attery-Powered Integration for Third-Party Devices

Connect virtually any machine or sensor with a Modbus interface directly to the cloud to unlock real-time alarms and historical data logging. Whether you need to track internal parameters from a commercial fridge compressor or monitor specialized environmental safety sensors like Radon, NO2, or Ozone, this device acts as a universal bridge. It features dual WiFi and Cellular connectivity with automatic rollover and a built-in global eSIM working in 170 countries. Uniquely, it can power up your external sensor, read the data, and shut it down to save energy, allowing you to deploy a completely wireless, battery-operated monitoring station for any application.

External Sensors								
Sensor	**Connection**	**Configuration**	**Function**	**Min Range**	**Max Range**	**Accuracy**	**Resolution**	**Length**
Modbus device	Detachable	Aviation Socket	Record & Alarm	Adjustable	Adjustable	-	-	30 cm (1 ft.)

Dimensions			Net Weight	
Length	**Width**	**Height**	**Grams**	**Oz**
310 mm 12 7/32"	65 mm 2 9/16"	55 mm 2 5/32"	345	12.2

Operation	
Feature	**Specification**
Internal Memory Capacity	49,000 Records of each measured parameter
Recording Interval	1 to 30 minutes
Syncing Interval (Direct to Cloud)	Real-time Alarms, 10 minutes to 7 days

Network Interface & Certifications		
Interface	**Specification**	**FCC ID**
Wi-Fi	IEEE 802.11 b/g/n (2.4 GHz)	2AC7Z-ESPVR00M32
Cellular	LTE-M & 2G (all band - Global)	2AJYU-8VC0001

Extra Information

MODGATE offers versatile power options, supporting operation with either four (4) AA batteries or four (4) 3.6V lithium batteries. This flexibility ensures reliable performance in various deployment scenarios.

Our innovative power management capabilities extend to connected Modbus devices. The system can power up a Modbus sensor, read its data, and then power it down, allowing any Modbus output sensor to operate efficiently on battery power. This feature significantly enhances the autonomy and placement flexibility of your monitoring solutions.

Furthermore, the configuration of Modbus devices is managed remotely, streamlining setup and maintenance processes without requiring on-site intervention.