



Smart Connections

## Gluon GMU101

The Gluon GMU101 is a smart gateway for acquiring data from a large number of Modbus fieldbus meters, automation systems, and compatible ionSign data acquisition products. It is autonomous, fault tolerant and easily installed.

The GMU101 collects data from any Modbus fieldbus system and securely conveys that to a server using GPRS/3G. After initial setup, data is collected and transferred autonomously, without the need of a server or user induced query.



The logging interval is defined by the user (1 min and up). Gluon GMU101 secures time series continuity in case of transfer network failures by carefully buffering the collected data. It also independently recovers from power outages. You will have minimum need of intervention after setup.

Gluon GMU101 provides an effortless way of securing a constant data flow from your remote locations. It is the Modbus fieldbus support for your IoT and Big Data applications.

### Technical specifications

- Modbus master RS485 interface
- 250 measurement capacity (Modbus registers)
- Optionally 2 open collector inputs
- Data buffering for 13 000 measurements
- 135 days buffer at 15 min logging interval
- Base64 encoded authorization support
- Integrated 3G GSM module
- SMA connector for external antenna
- Plug-in power supply and antenna included
- Operating voltage 11...13 VDC
- Current consumption 100mA (peak 200 mA)
- Operating temperature -25°C ... +50°C
- Operating humidity 5%...95% non-condensing
- Flanged ABS plastic enclosure
- (WxHxD 125 x 51 x 25mm)
- IP20

### User interface

- Easily configured with SMS messages
- Supports separate data and device management servers
- After setup, data streams without queries
- Standard HTTP reporting protocol allows easy server application development

### Extra features

- Available with installation enclosure for higher IP class
- Available with LAN connectivity instead of 3G (Gluon GMU331)
- Compatible with any third party wired Modbus device