

Gluon GMU632

The GMU632 is a LoRa Modbus bridge for transmitting data from wired Modbus data loggers, meters, sensors, and compatible ionSign data acquisition products. The bridge creates a wireless, secured and private connection within a Modbus fieldbus system.

The GMU632 enables building Modbus sensor and meter data collection covering a large area without extensive wiring. Even a single internet access point can provide a cloud connection for a large number of LoRa connected Modbus nodes. GMU632 replaces costly and time consuming hard wiring in building the local fieldbus.

The GMU632 operates as a transceiver for the wired Modbus data. If local data buffering is required, we recommend the GMU631 LoRa Smart Gateway, or a compatible Gluon Process Monitor as the local data collection unit.

The GMU632 communicates using the standard Modbus communication protocol. Thus, it can be used as a transceiver for any third party Modbus loggers and gateways.

Connected and collected Modbus devices are configured at the receiving gateway. No configuration is needed locally at the GMU632.



Technical specifications

- RS485 Modbus interface
- Operating voltage 12...24 VDC
- Current consumption 50 mA
- Range in kilometres, strongly depending on communication speed
- Operating temperature -25°C ... +50°C
- Storage temperature -30°C ... +85°C
- Operating humidity 5%...95%, non-condensing
- 3 module wide DIN rail enclosure (WxHxD 53x90x52mm)
- IP20

RF Module

- LoRa RF wireless technology
- Bespoke protocol, LoRaWAN not supported

User interface

- No local configuration needed
- After setup, data streams without queries

Extra features

- Available with installation enclosure for higher IP class
- Compatible with ionSign's other Gluon LoRa Smart Gateway and Process Monitor products
- Compatible with any third party wired or wireless Modbus device