

DATALOGER TECHNICAL FEATURES

- ✓ Power supply: 12VDC. Optional 110 / 220Vac or solar panel;
- ✓ Supply current: 30µA in standby;
- ✓ Operating temperature: from -20 to +70 ° C;
- ✓ Protection: According to the type of box used;
- ✓ Local digital inputs: 2 Channels, Trigger / pulse counter;
- ✓ Local analog inputs: 2 channels, 4-20 mA / 0-3Vdc / 0-10Vdc;
- ✓ Local digital outputs: 2 Alarms, relay contact max 24VAC / DC 3A, 2 static switches 12V 0.3A;
- ✓ Communication ports: 1 Ethernet, 2 RS485 opto-isolators, 2 RS232, 1 Dust Networks radio module for exterior;
- ✓ User interface: backlight LCD display 128x64 - 12 button keypad;
- ✓ Memory: SDcard, USB;
- ✓ Data acquisition method: SDcard, USB, GPRS / UMTS, ethernet,
- ✓ Type of Ethernet connection: Local web server with remote control module, FTP local Server (FTP access to the module), FTP Client (automatic data download to FTP server);
- ✓ Number of readouts: Over 2,000,000 at maximum configuration;
- ✓ read / write data: frequency 1MHz,
- ✓ Data backup: SD card and USB.

MUX TECHNICAL FEATURES

- ✓ Power supply: 12VDC. Optional 110 / 220Vac or solar panel;
- ✓ Supply current: 30µA with radio connection. Zero with cable connection;
- ✓ Operating temperature: from -20 to +70 ° C;
- ✓ Protection: According to the type of box used;
- ✓ Number of MUX channels: 4 + 4, 8 + 8, 12 + 12, 16 + 16;
- ✓ Outputs: V, mV/V, 4/20mA, VW, Pt100, NTC;
- ✓ No. Multiplexer supported: Up to 254 per RS485 port, max 508;
- ✓ No. of channels supported: up to 32 per MUX, max 16320;
- ✓ Measure resolution: 24 bit for V, mV / V, 4 / 20mA, Pt100, NTC 0.1Hz for vibrating wire;
- ✓ Power supply: + 20V, + 12V, +/-12V , + 5V;
- ✓ Type of communication: MUX RS485, Dust Networks radio 2.4 GHz.



We reserve the right to carry out modifications to our products and their specifications



G801 is a digital recording and interconnecting module to manage devices designed for monitoring systems.

Due to its characteristics, the G801 module connects and manages various types of multiplexers or customized measuring systems.

The GMUX multiplexers, for example, acquire the transducers electrical signals and send them to the G801 management module via RS485 or RADIO. The multiplexers capture the electrical signals and send them digitally to the management module.

Each channel has a two or four-way terminal board for the sensor's electrical connection to the multiplexer.

Data can be read directly from the display. This is useful during the various phases of installation and to have better control of the system.

It is also possible to access all the functions by connecting to the G801 via Ethernet connection from the local network and remotely via internet.

The graphical interface works on all browsers (Windows, Linux and Mac) and tablets, smartphones or smart TV.

All configurations and work parameters are saved on an SD card. This solution makes for easy and quick replacement of the hardware components and the system backup and restore.

The readings can be saved on an SD card and/or a backup copy can be created directly on a USB key.

With the G801, data can be viewed and

downloaded via internal FTP server working on local network as well as internet.

The G801 can be configured also as FTP client to download automatically the data on FTP server.

The G801 module can be integrated with a GPRS/UMTS router to remotely monitor the information acquired through PC, tablet, smartphone, etc. The G801 and all its peripherals can be provided with a radio module for wireless connections, which can create a true network of multiple devices.

The network is IP compatible and based on 6LoWPAN 802.15.4e standards.

The G801 system provides excellent levels of resistance, reliability and network scalability by managing energy consumption up to eight times higher than similar standard connection systems through the dynamic change of configuration according to the RF environments in which it operates.

DATALOGER DIMENSIONS AND WEIGHT

Dimension	159 x 110 x 54 mm
Weight	approx. 500g

GMUX DIMENSIONS AND WEIGHT

Dimension	79/159/249x110x54 mm
Weight	280/380/480g