

EMG 1.0 EMBEDDED MULTI-PROTOCOL GATEWAY

A universal transformer of the most common protocols used within the SCADA information transmission by electricity utilities worldwide. The product is intended as an accessory to such devices, e.g. remote control, relays, PLC, etc. which do not include any protocol suitable for connection with data concentrator or control centre.



Technical Parameters:

Weight	< 1 kg (according to design)
Dimensions (w x h x d)	165 x 70 x 165 mm
Power Supply	12 V DC
Working Temperatures	
commercial version	0 up to +70°C
industrial version	-40 up to +85 °C
Storage Temperatures	-40 up to +85 °C
Relative Humidity	25 up to 90 %
	without condensation
Consumption	maximum of 220 mA

Introduction:

The task of the EMG 1.0 is to transform a native protocol of an end device to a protocol suitable for chosen communication path and communication protocol required by a control centre. According to the protocols applied and communication path features it can be also used as a FIFO buffer of transformed data and generator of time tags.

Supported Protocols:

- IEC 60870-5-101
- IEC 60870-5-104
- DNP3
- MODBUS RTU
- MODBUS TP

EMG 1.0 Features:

- Compact design in aluminium alloy box
- 3x serial line (one of them reserved for internal GSM modem or radio modem)
- 1x 100Mb Ethernet (FO or UTP)
- 4x isolated binary input
- 2x isolated output
- 1x GSM/GPRS 900/1800 internal modem
- LED diodes (Power, Error)
- RESET pushbutton
- Remote parameterization and firmware upload

