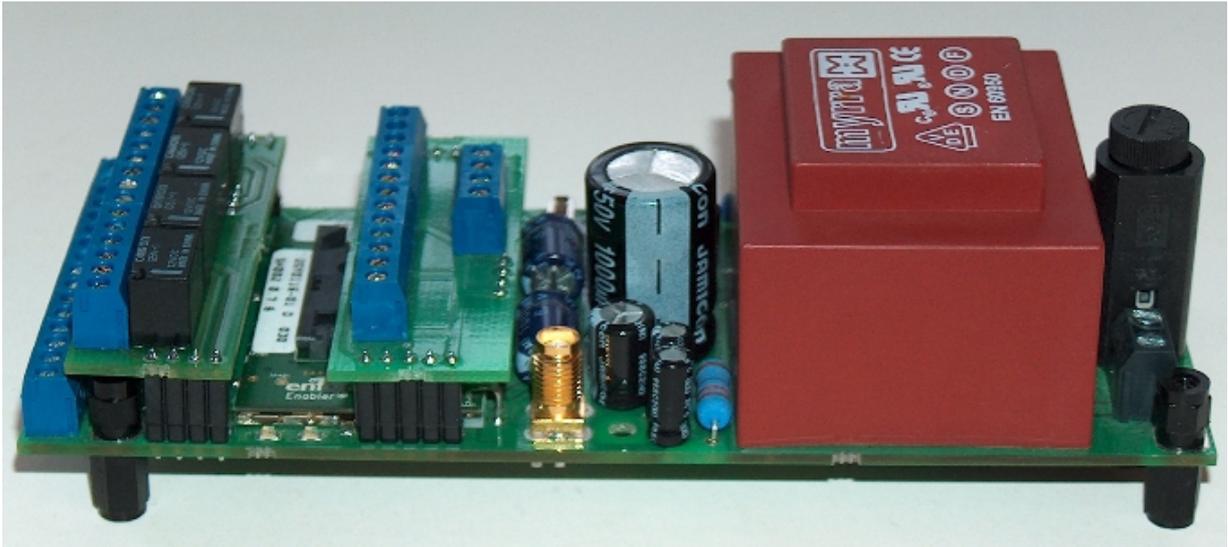# GSM / GPRS controller - GSMDU

GSMDU is a universal GSM controller which can be used for security, access control, home and industrial automation, data monitoring. For example, automatic phone dialer; communicator with the security panel; remote control for domestic appliances, gate or barrier remote opening; standalone alarm and access control system; etc. It has also built in power supply unit and 12 V battery charger.
At the picture GSMDU assembled with plug-in Relay and Auxiliary I/O modules.

Specification

Supply voltage: 230 VAC
Battery: 12V (1-7Ah)
DC Output 12V 0.7 A
Programming interface: RS485 or RS232

Inputs: 8 (depends on customer purposes)
- 8 optically isolated inputs
- 2 optically isolated and 6 analog inputs
- 2 optically isolated , 5 analog, 1 wire inputs
- others
- additionally, 2 optically isolated inputs can be configured as outputs.

Outputs: 4 open collector outputs 50 мА 30 VDC or 4 relay outputs 1A 30 VDC

Microphone input-output, 1W speaker amplifier.
Two Card readers or LED display interface

Firmware provides sending out alarm or information messages through SMS, voice calls, voice messages, DTMF, CSD, GPRS; information exchange trough ADEMCO Contact ID protocol; reception of the commands through SMS, DTMF, CSD and GPRS; saving log events in 4MB Data Flash; also controls battery charge/discharge and power availability. This makes the program unique as these characteristics enable it sending the last message until the battery runs completely flat, and then the gadget is turned off.

GSMDU can be diagnosed, upgraded and configured through CSD (GSM Data) or RS232/ RS485 interface using GSM Config software, that can be downloaded from support page.

GSMDU6 Connectors

Inputs

AIN2/DIN2

AIN3/DIN3

AIN4/DIN4

AIN5/DIN5

AIN6/DIN6

AIN7/DIN7

DIN1/DOUT1

DIN0/DOUT0

RS232/RS485
Rx/A Tx/B GND

**Extra I/O
Plug-in Module**

com
no
nc

out 1
out2
out 3
out 4

Two Wiegand
Interfaces

Reset
Pushbutton

Mains LED Charge LED

12 VDC 0,5A Output

12 V Battery

Fuse 0,25 A

230 VAC

Plug-in Relay Module

Green LED
GSM OK

Red LED
GSM Tx

MIC
SPK-
SPK+
GND

SMA Antenna
Connector