

## GPRS MODEM-CONTROLLER GMC-1

The GMC-1 is intended for acquisition and transmission of data, about of controllable object condition, through a cell-communication network to the server. The remote control is carried out by it too.

The GMC-1 includes:

- the SIM900 system from GPRS modul;
- processor;
- signals matching module;
- external GSM-antenna.



The modular construction of the device and presence of the programmed processor allow using it in various systems of remote supervision and management. The clock of a real time and reserve Li-Ion the accumulator, providing operation of controller at switching-off of an external feeding are built in the controller.

The device supports following interfaces: RS-485, RS-232, I<sup>2</sup>C, SPI, ONEWire.

### Functional capabilities:

- SMS sending and receiving;
- Data transmission and reception by GPRS;
- Reception and transmission of voice calls;
- Indication about of registration in the GSM network;
- Presence of dialing fixing number;
- Access implementation to SIM only through defined GSM network's operator.

### Specifications

Number of digital input/output	40
Number of analogue inputs (0...3V)	16
Supply voltage from constant-current source	6...40 V
Supply voltage from internal accumulator	3,7 V (1A per hour)
Current consumption at call waiting	30 mA
Current consumption at data transmission mode	300 mA
Operation time at feeding off-line mode, no more than	
- at call waiting mode	33h
- at data transmission mode	3h
Current pear value	2 A
Digitization speed	500 ksps
Mobile class	B
GPRS standard	class 10