

IT'S TIME FOR INTERNET OF THINGS

GSM CONTROLLER v3

GSMKON-040



GSM v3 controller allow monitor by gsm network different physical parameters and control remotely on/off 5 outputs. Control is done through SMS messages and monitoring can be run by SMS or gprs data transmission to internet server. Http datas can be sent for example to www.thingspeak.com server, where are not only collected but can be read as dynamically presented graphs. Further GSM controller functionality is action automating. After simple set up when some input parameters reach the set size, outputs actions will be performed, eg send a message or switching outputs.

Technical data:

product code / name	GSMKON-040 / GSM Controller v3
GSM module bands	900 / 1800 / 1900 MHz
SIM interface	1,8 i 3 V
USB interface	virtual COM port (115200, 8 bits, 1 bit stop, no parity and flow control)
other interfaces	1-wire (RJ11), SPI, I2C, UART
transistor out	1x 1A/turn on supply voltage
OC outs	4x outs open collector type, transistor BC847B (45V-100mA)
logical inputs	4pcs, max 20V
analog inputs	3pcs: 2x voltage 0÷3.6V, 1x voltage 0÷36V
temperature meas.	1x PT1000, 1-wire sensors x8 DS18B20
antenna	attached
input power supply	6÷28 V DC socket size 5,5 mm
power consumption	0.3W without GSM transmission
operational temperature	-20 do + 70 °C
board size	68 x 60 mm
weight	57 g
optional accessory (sold separately)	relays board (GSMKON-006), PoE resetting board (GSMKON-110)

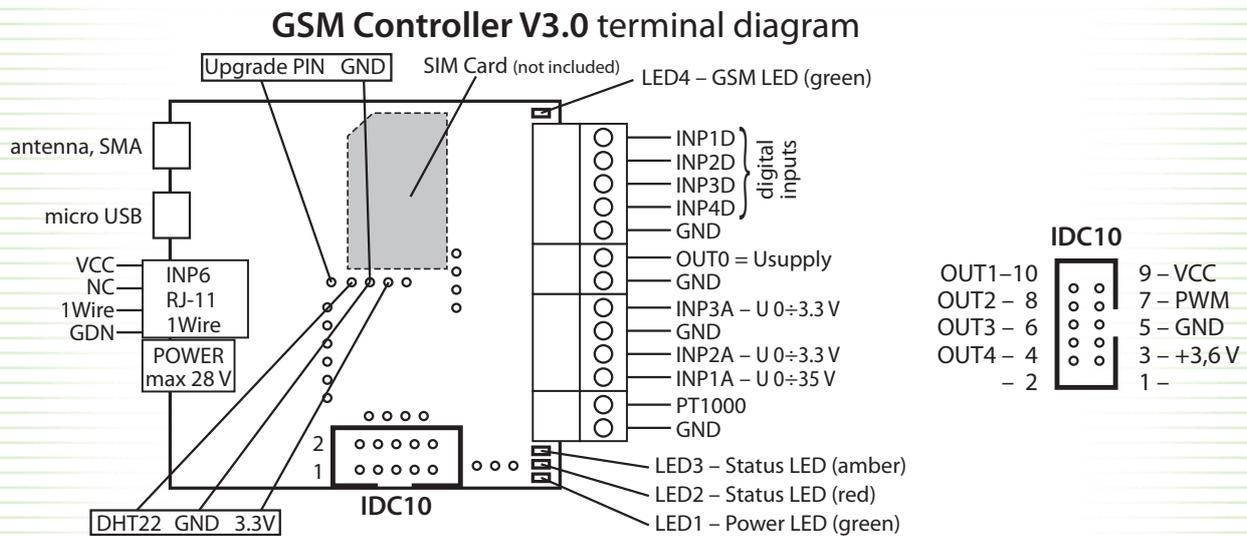
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Przykłady zastosowań:

ISP

- the power supply control - notification of his disappearance
- voltage control backup batter
- control of temperature or the presence of persons in the server room and remote reaction

Smart home

- Control on / off lighting or other devices remotely or by program
- a simple alarm system with notification

Instalations

- temperature control and possible notification, switching valve, switching relay, etc.
- supply voltage monitoring and if necessary automatic switching to backup source

Monitoring for Environment and Agriculture

- collection of environmental data with the extensive grounds
- meteorological monitoring

GSM Controller v3 allow:

- management by SMS or USB (after connecting to computer)
- monitoring by gprs transmission to http server, by SMS received on user phone or by USB
- upgrade new firmware by USB port
- monitoring logic states, for example move sensors, position detectors
- measurment of voltage, temperature, humidity i and many more by analog voltage inputs
- pulse counting on INP4D
- transistor output (up to 1A), possibility to connect additinal board with 4 realys or PoE injector with power switching
- SMS or http notification about logical inputs
- supported sensors: PT1000, DS18B20, DTH22 (temperature and humidity)
- up to 99 phone numbers in memory allowing to controll - solution for gate opener in restricted areas
- command authentication by password
- remote power supply measurement

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