

Automation manufacturer & supplier



CiTop-IoT

Delivers green light into your IoT automation projects!

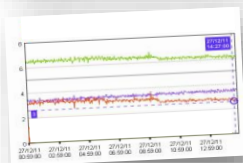
Learn more

Introduction

GSM controller is intended for special applications such as remote measurements, mobile devices, asset condition monitoring, etc. It has build-in GSM modem and driver. It is very compact and cost-effective solution for remote monitoring and control.

GSM can be programmed to fit 100% with your application needs. Special GSM functions allow you to create effective application. Easy maintenance with wireless programming through GSM network.

GSM Controller



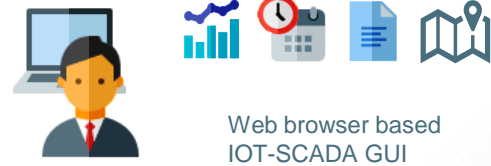
GSM Controller Specification

Power supply	Replaceable 2 x 3,7V battery or 7-12VDC power, low power alert, optionally can be powered with solar panel	Analog inputs (AI)	3 AI: 12 bit, 0..5mA, 0..20mA, 4..20mA, TMP35/36, 0..2V, 0..5V, 0..10V, 0-50/100A RMS, Temperature, Humidity, Selectable.
Enclosure and IP rating	ABS IP65 / Opt. Polycarbonate	Analog outputs	1 AO: 0-5(10)V
Display	Optional low power display via I2C bus (+transparent cover)	Digital inputs	5 DI: 5-24VDC, max 8mA, (1 for opt. programmable button.)
Battery autonomy, periodicity	battery life 5 - 10 years, Configurable periodicity	Digital outputs	2 DO, FET, 24VDC, max 0.5A
Configuration / installation	Serial port 1: RS232 (for programming)	Ultrasonic sensors	Opt. Ultrasonic Level sensor, 0 – 3m
Sensor connections	AI, opt. via I2C extension bus	Storage temperature	-40...+80°C
Programming tool	PC based GSMProgrammer for PLC programming	Operating temperature	-40...+65 °C
Programming instructions	Logical, arithmetic, comparison, timer/counter, sequence program, reporting, queue, FIFO, PID, etc.	EMC	Immunity according to EN50082-2 & EN 50082-1 Emissions according to EN50081-1 & EN50081-2
GSM Modem (+GPS)	Build-in, EU frequencies, GPS	Relative humidity	95%, non-condensing
Protocols (GSM)	FTP/XML/MQTT/SMS	Dimensions	W 125 x H 125 x D 50 mm
List of Features	Programming via cable or remotely via GSM, SMS Alarms, SMS reports, SMS wake-up and instructions, periodical measurement, data logging and FTP sending, Real-time clock and calendar, Flash memory for program, CiTop-IOT's IOT-SCADA connection, GPS positioning		

OPERATORS

IOT-SCADA™

MAINTENANCE



Web browser based IOT-SCADA GUI

- Trends
- Alarms
- Reports
- Process Views
- for PCs and smartphones



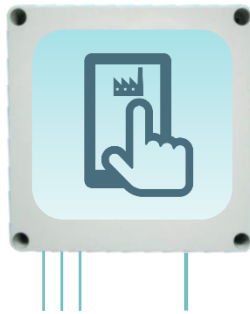
GSM:
GPRS/FTP
MQTT
SMS

IOT-SCADA SERVER

Wireless Communication



GSM Controller



Build on knowledge

- First operating version of IoT SCADA was released in 2003 by the owners of CiTop-IoT.
- Almost 2 decades of user experience of running hundreds of IoT projects all over the world.
- We have designed and manufactured industrial automation products (mainly PLCs & RTUs) since 1976.
- As a hardware manufacturer CiTop-IoT can also give tailor made and low cost OEM solutions for special needs.
- True end-to-end data collection and processing, from sensor or I/O level to database and graphical interface.

Low power, battery life 5 - 10 years



- 3 Analog inputs RS232
- 1 Analog output
- 5 Digital inputs
- Pulse counting
- 2 Digital output



Optional I2C expansion, display and solar panel



PLC program, GPS positioning, RTC, 2 PID, Flash memory

EXAMPLE APPLICATIONS:



Tank and storage monitoring

Liquid, temperature, flow



Machine and asser monitoring and control

Position, measurements, ON/OFF switching



Building and station monitoring and control

Measurements, counters, data logging, environmental etc.



Contact us for more information!

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