

Universal GSM/GPRS controller

Very flexible and reliable GSM/GPRS controller for remote control application and automation

Features:

- Compact case
- Up to three relay outputs
- Up to three inputs
- Built-in reliable GSM/GPRS modem
- Custom specified functions
- Universal, flexible and smart
- LED indicators

Application areas:

- Remote control systems
- Gate control applications
- Industrial automation
- Smart house applications



Figure 1: GT-212 main view.

Product description:

Rantelon GT-212 is a universal GSM controller. It can be used for industrial and home automation purposes, for remote control of devices or telemetry data acquisition. Data transfer is possible via:

- TCP/IP (GPRS) connection to central control server
- SMS (or USSD optionally)
- Data call

When called, built-in relay can be activated without answering the call. Optionally open collector outputs could be installed and triggered by one of the listed above data interfaces. Three input signals can be applied to activate TCP/IP connection/report to central control server or SMS message to be sent. Device functions are fully custom specified. The software can be updated via built-in USB interface or SMS messages. In case of a need the device may be equipped with RS-232 interface. For additional convenience GT-212 allows external hardware reset.

Technical data:

Number of outputs	Default: 1 / optional: up to 3
Output mode	<u>Default:</u> Relay <u>Optional:</u> open collector, active +3.3, +5V or +9V
Number of inputs	Default: 0 / optional: up to 3
Input mode (optional)	Switch (internal pull-up), TTL (default +3.3V max., optionally up to +9V)
Remote control interface	GPRS, EGSM 850 / 900 / 1800 / 1900
Programming interface	USB, (RS-232 optionally)
Indication	Up to 6 green LEDs (including 3 LEDs for relays activity indication)
Dimensions (without antenna)	175x110x35mm
Enclosure	aluminum, indoor
Grounding point	Yes
Antenna port	SMA-female, 50Ω
External antenna spec. (Europe)	880-960MHz, 1710-1880MHz, 2dBi, folding (straight or angled)
Input/Output connection	Screw terminal block
Power consumption	+12...+17V/200mA max.
DC input	2.1mm, positive side in center (! inner conductor !)



Figure 2: GT-212 top view.



Figure 3: GT-212 side view.

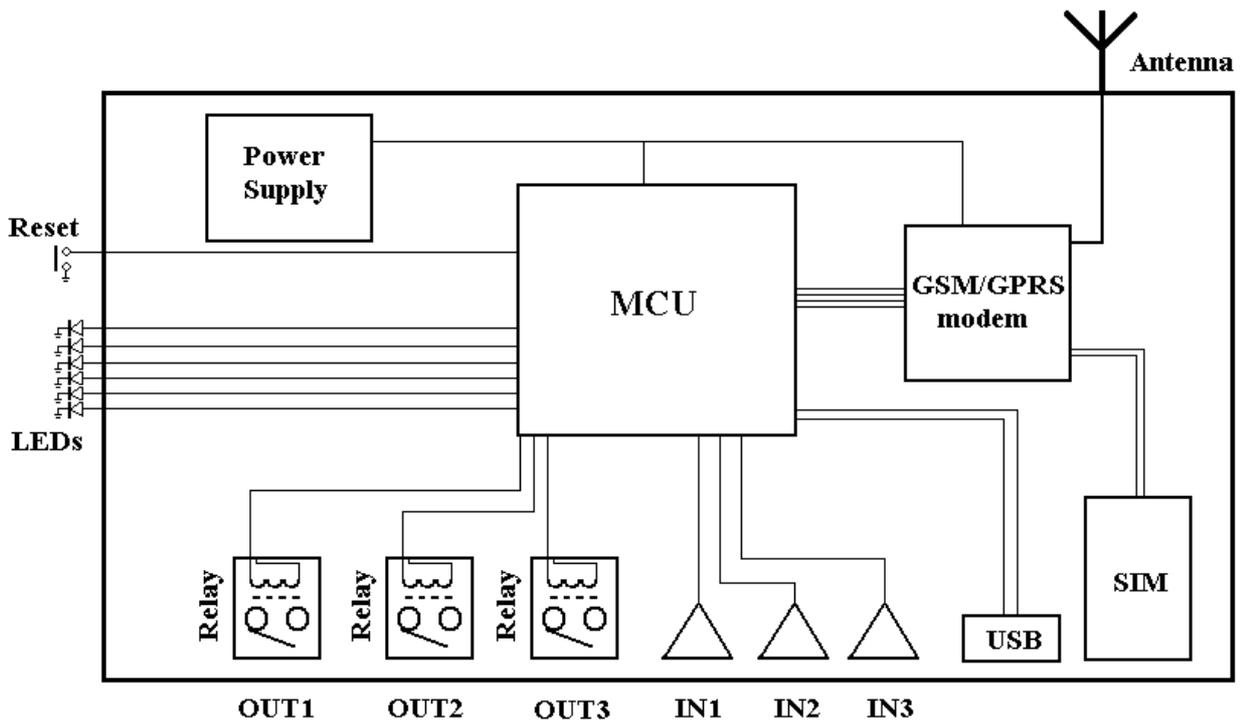


Figure 4: GT-212 block diagram.