

# GSM-X

## UNIVERSAL MULTI-PURPOSE GSM/GPRS COMMUNICATION MODULE

**GSM-X** offers extensive communication functionality and support for multiple communication paths. This device can be used to carry out reporting in alarm systems. For this purpose, it uses a connection established via the dialer of any alarm control panel or its appropriately configured outputs.

An important feature the communicator offers is the expansion capability by adding the **GSM-X-ETH** Ethernet module, so that reporting can be implemented through two independent channels (Ethernet and GPRS). Thanks to the constant monitoring of the state of connections with the monitoring station and the substitutability of transmission paths, the stringent requirements of EN 50136 for DP4 category are complied with, regarding the so-called Dual Path Reporting.

**GSM-X** offers notification of up to 8 users in several ways: by using voice, SMS or PUSH messages, or via the CLIP service.

As for the **INTEGRA** and **INTEGRA Plus** control panels, connection with them can be via RS-232. Thus, **GSM-X** will perform reporting and notification (in **INTEGRA Plus**), the content is downloaded from the list of events), and will establish remote connection with **DLOADX** and **GUARDX** programs.

The module has the function that automatically switches communication over to the GSM path in the event of the analog telephone line failure. **GSM-X** can also act as a GSM gateway for private branch exchanges (PBX).

The device has 4 programmable outputs that can be remotely controlled using SMS, CLIP, DTMF, GX CONTROL mobile application or **GX Soft** configuration software. That enables **GSM-X** to be used for remote control of the alarm system or other connected devices.

A computer with the **GX Soft** program installed is used for programming and configuration. The computer can connect to the module locally, after connecting it to the module mini-USB port, or remotely, by connecting to the device via GPRS or Ethernet\*.

Remote update of the device firmware is possible thanks to **GSM-X** capability of interacting with the **UpServ** program.

The built-in GSM telephone has slots for two SIM cards. If any problems occur with the range of the first card operator's network, the module will automatically switch to the other one to maintain uninterrupted communication.

- Dual Path Reporting support according to EN 50136\* for DP4 category
- conversion of telephone reporting into audio/SMS/Ethernet\*/GPRS formats
- sending notifications to max. 8 phone numbers
- notification: audio/SMS/PUSH/CLIP
- conversion of PAGER messages into SMS
- telephone line simulation via GSM – GSM gateway
- switching to GSM in case of telephone line failure
- compatibility with **INTEGRA** and **INTEGRA Plus** control panels:
  - fast data transfer through RS-232
  - conversion of RS-232/TCP/IP reporting
  - automatic composition of notification content (**INTEGRA Plus**)
  - ability to remotely connect to **DLOADX** and **GUARDX** programs
- SMS and CLIP receiver for **STAM-2** monitoring station
- 4 programmable inputs (NO, NC)
- 4 outputs (OC) controlled by SMS/CLIP/DTMF/**GX CONTROL**/**GX Soft**
- dual SIM card support
- possibility to check the pre-paid account balance and send notification if it drops below required minimum
- configuration using **GX Soft** software:
  - locally via USB
  - remotely via Ethernet\* or GPRS



- interaction with **GX CONTROL** mobile application
- remote firmware update capability
- possibility of connecting a dedicated power supply unit: **APS-612** or **APS-412**
- expansion capability by adding **GSM-X-ETH** Ethernet module

\*when used with **GSM-X-ETH**

## TECHNICAL DATA

Number of OC outputs	4
Supply voltage	12 V DC
Number of inputs (zones)	4
Enclosure dimensions	126 x 158 x 46 mm
Board dimensions	141 x 70 mm
Operating temperature range	-10...+55°C
Standby mode current consumption	100 mA
Max. current consumption	275 mA
Weight	255 g
Maximum humidity	93±3%
Environmental class according to EN50130-5	II
Number of outputs power	1
OC type outputs	50 mA / 12 V DC
AUX output	300 mA / 12 V DC