



GPRS5.0E

GPRS router 5.0 Ethernet

GPRS Ethernet router with NAT, which enables a single Ethernet device or an entire LAN to be connected locally.

GPRS5.0E makes it possible for Regin controllers to be connected to a main computer using GPRS communication.

- GPRS5.0E enables remote connection to a building
- Wireless communication between controller and computer
- Re-programming, operation supervision etc. is possible

The wireless connection between a computer connected to the Internet and controllers connected via GPRS offers many possibilities. It can be used for communication between controllers and SCADA, and also function as a service tool for re-programming from a distance.

EP8282 has support for DHCP and DNS. It also has the ability to let the controller initiate a connection to the main computer. This means that a subscription with the lowest monthly cost possible can be used.

Function

GPRS5.0E can be used for communication with controllers from the main computer in EXO projects. GPRS is a protocol intended to be used for permanent wireless data communication using GSM networks. There is no need to connect or disconnect (as with GSM or POTS).

Configuration

The GPRS Router 5.0 Ethernet can easily be configured via a browser GUI.

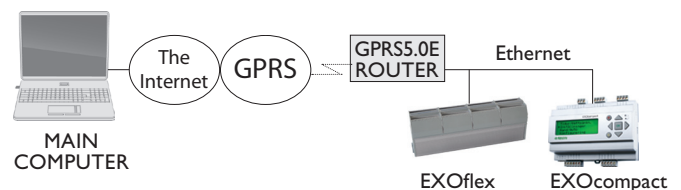
More information about configuration can be found in "M2160 Accessories to EXO", which is delivered with the EXO software.

- Practical during service, maintenance and warranty periods
- Supports DHCP and DNS
- Smart solution for lowering operation costs
- Several controllers in a loop can be connected to a GPRS router

Applications

GPRS5.0E offers several options for transmitting data via the GPRS network. The router can be used to establish data connections for remote control or remote monitoring of IP-capable devices.

The main computer must be connected to the Internet. Then it is able to communicate with any GPRS device in the world. When using the GPRS router to communicate with controllers, you interconnect the controllers and the router with Ethernet cables.



It is normally not necessary (or even desired) to connect the router and the controllers to an existing LAN. Normally you create a very small isolated network just between the router and the controllers.

If only one controller should be connected to the GPRS router, they can be interconnected directly with a direct cross-over network cable only. Otherwise all units must be connected to a hub or a switch.

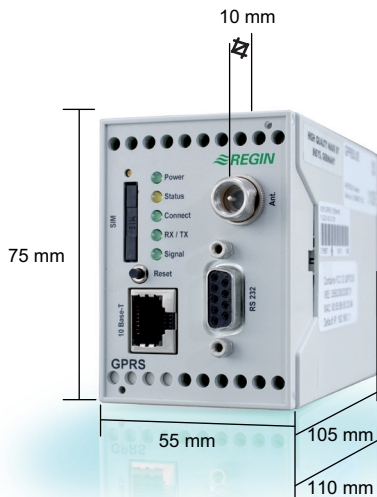
Technical data

| | |
|-------------------------|--|
| Supply voltage | 24 V DC |
| Current | Sleep/Standby approx. 2.5 W, Connect approx. 3.5 W |
| Mounting | DIN-rail mounting |
| Antenna Connection | FME (m) |
| Operating temperature | -20...+55°C |
| Humidity | 0...95% (non-condensing) |
| Function GSM/GPRS | Cellular router with NAT |
| Standards | ETSI GSM Phase II/II+ |
| Frequencies | Quad band GSM (850/900/1800/1900 MHz) |
| GPRS | Multislot Class 12, Full PBCCH support, Mobile station Class B, Coding scheme 1-4, up to 85 kbps |
| GSM | CSD up to 14.4 kbps |
| SMS | Fully supported |
| Interfaces | |
| Functional/mechanical | Ethernet 10BT (RJ jack) |
| Speed | 10 Mbps |
| GPRS connections | |
| Incoming IP connections | Port forwarding |
| Monitoring | Hold in idle status, periodic disconnect and reconnect |
| Configuration | |
| Local | Web interface |
| Remote | Web interface (if required to be deactivated) |
| Additional features | Firmware update, watchdog, dynDNS-Client |
| I/Os | Release of the LAN and WAN interfaces |
| Dimensions (W x L x H) | 55 x 110 x 75 mm |
| CE | The product fulfills the demands for the current European EMC-standards CENELEC EN 61000-6-1 and EN 61000-6-3, and LVD-standard EN 60950-1. It is CE-marked. |

Wiring

The supply voltage is connected to terminal 3, 10...60 V DC, and to terminal 4, GND, which is on the upper side of the modem. The network cable is connected to 10 Base-T.

Dimensions



The cabinet should have a depth of at least 155 mm for the antenna to fit without bending the cable too much.

Product documentation

| Document | Type |
|--------------------------|---|
| Instruction GPRS5.0E | Instruction for GPRS5.0E |
| M2160 Accessories to EXO | Manual which is delivered with the EXO software, containing information about configuration of GPRS5.0E |

The product documentation is available at www.regin.se.

Head Office Sweden
 Phone: +46 31 720 02 00
 Web: www.regin.se
 Mail: info@regin.se

REGIN

THE CHALLENGER IN BUILDING AUTOMATION