

## GXR-GSM Modem

### Features

- Dual-Band GSM 900/1800 MHz**
- Compliant to GSM phase 2/2+**
- Operating status LED**
- Compatible Antenna**
- Control via AT commands**
- R&TTE, GCF, e-mark, CE approved**



### Outline

The GXR-GSM modem is a Dual-Band device which has been specially designed for voice and fax communication and applications transmitting a low volume of data. The wireless communications unit is protected by robust industrial housing that also features a series of standard connectors and a SIM cardholder.

Being a standalone device, this plug-and-play the unit is delivered with all necessary accessories, and peripheral units such as the cabling, connectors, antenna, etc as well as firmware & software, thus is ready to use out of the box together with the associated GeoSIG Instrument.

## Specifications GXR-GSM Modem

#### General

Bands: Dual-Band GSM 900/1800 MHz  
 GSM Phase: Compliant to GSM phase 2/2+  
 Output power: Class 4 (2 W) for EGSM900  
 Class 1 (1 W) for GSM1800  
 Supply voltage range: 8 ... 30 V  
 Temperature range: -20°C to +70°C (normal)  
 -25°C to +75°C (restricted)  
 Switch off: +80°C  
 Storage: -40°C to +85°C  
 Dimensions: 65 x 74 x 33 mm  
 Weight: 130 g

#### Communication

CSD data transmission Up to 14.4 kbit/s V.110  
 Non-transparent mode  
 USSD support  
 SMS Point-to-point MO and MT  
 SMS cell broadcast  
 Text and PDU mode  
 Fax Group 3, class 1, 2  
 Voice Triple-rate codec for HR, FR and EFR  
 Basic hands-free operation  
 Echo cancellation  
 Noise reduction

#### Special Features

7E1-character framing

#### Interfaces

Antenna connector FME (male)  
 Plug-in power supply  
 Handset audio interface  
 Mini-SIM card reader  
 V.24/V.28 interface on the 9-terminal sub-D socket  
 Operating status LED

#### Approvals

R&TTE, GCF, e-mark, CE  
 Local approvals and network

operator certifications