

GSM20 Modem

Miniature Dual-Band GSM/GPRS Modem supplied with compact antenna, DIN-rail and power supply.

A standard SIM card can be inserted within the metal enclosure. Network support for both 900 and 1800 Mhz. RS232 interface to PCs and embedded devices such as Netbiter web-browser interface.

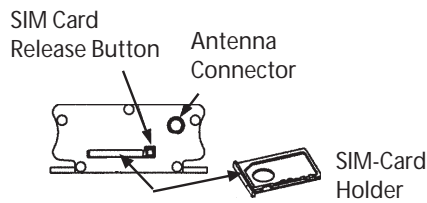


Features

- GSM and GPRS Modem
- Supports Voice / FAX / SMS and Data
- Dual Band 900 / 1800 MHz GSM transmission
- Accepts standard SIM card
- RS232 interface
- Supports standard wavcom AT command set
- Full voice call, SMS Support
- Miniature size 88 x 60 x 26mm
- Can be used on Standard GSM Networks
- AT Comand set (GSM 07.05 and 07.07)
- GPRS data rates at up to 36Kb/s download/ 24Kb/s upload

Model Type	Model	Description
	GSM20	GSM/GPRS Modem with Compact Antenna, DIN-rail mounting clip, power supply and 3-wire RS-232 Cable
	GSM20-CAB232	RS232 Serial Cable for GSM20 (9-pin DIN connector for serial ports)
	GSM20-ANT-L	1.5m External Antenna for GSM20
	GSM20-ANT-EXT	10m Extension Cable for the GSM20 Antenna
Technical Data	Power Supply	5..32Vdc, 450mA max (supplied with flying lead)
	Network Support	GSM and GRPRS; Dual Band 900 / 1800MHz Transmission Supports Voice / Fax / SMS and Data
	SIM Card	Standard (not supplied)
	Communication Port	RS232 Interface with Standard AT Command Set
	Mounting	DIN-rail or Wall
	Ambient Temp	-15..+50°C
	Storage Temp	-20..+65°C
	Weight	0.1kg
	Dimensions	W88 x H60 x D26 mm

SIM-Card Installation



To install the SIM card, push with a sharp object (e.g. with pen) the SIM card release button. Pull the SIM card holder out and install the SIM card. Insert the SIM card holder back into the modem.

Note:- In order to set the PIN-code, remove the SIM card from the modem and use a mobile phone.

LED Operation

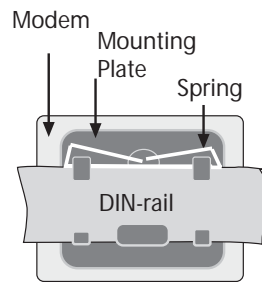


The modem operation is indicated by the LED. The table below lists the different states of the modem.

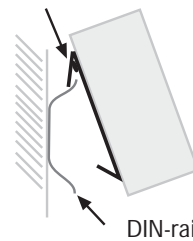
LED Operation	Modem Operation Mode
LED Off	Modem is not powered.
LED Permanently On	Modem is powered but has not been initialised. Check that the PIN code is correctly entered (or no PIN code). Check that the area has signal and that the SIM card has been activated.
LED Flashes Slowly	Modem is ready to receive/transmit.
LED Flashes Fast	Modem is receiving or sending message.

Modem Mounting

Modem can be mounted on the DIN-rail using the DIN-rail clip supplied with it. Follow the instructions (right) to fix the modem on the DIN-rail.



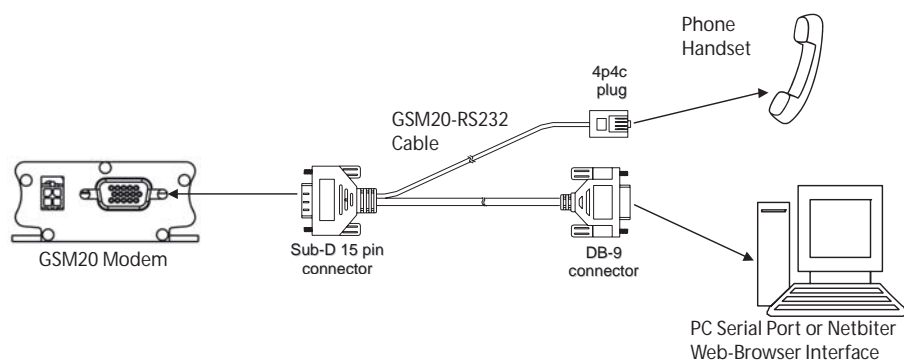
DIN-rail mounting hook and spring



Push modem first downwards and then press it until it clips on the DIN-rail.

Modem Connection

You can use the optional GSM20-CAB232 cable to connect the modem to Sub-D connector to an external controller/computer./Netbiter web-interface. Note: The modem CANNOT be connected to the "Linei jack" of a landline telephone directly.



Notes: In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice. The consumer is guaranteed against any lack of conformity for 24 months from the time of delivery, according to the European Directive 1999/44/EC. The full text of guarantee is available on request from the seller.