iNetGo

Fully automated Data Modem to receive 2G/3G GNSS Corrections

The iNetGo is a new generation compact data modem that provides GNSS correction data in real time during the availability of GSM or GPRS network. iNetGo is independently of the GNSS-receiver manufacturer and works with several GNSS correction data providers. To manage the correction data transmission connection, the GNSS receiver's NMEA187 sentence GGA is used.

- Wide supply voltage range of 8 to 48 V DC
- 900 MHz /1'800 MHz frequency band for 2G connection
- 900 MHz frequency band for 3G connection
- Integrated NTRIP - client
- GSM (CSD) or GPRS connection
- Dial-up with the receipt of an NMEA187 sentence
- **Roaming supported**

After receipt of the GGA string, iNetGo connects autonomously to the configured reference service and supplies correction data to the serial interface.
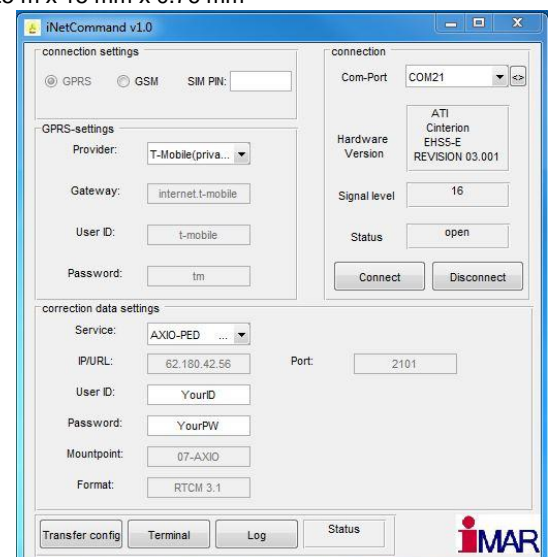
iNetGo supports either an IP-based GPRS connection or a circuit switched data call (CSD) via GSM band. With the integrated NTRIP-client, it is possible to receive correction data from different reference services, as well as from your own reference station. Downloading the NTRIP source table as well as Selecting an appropriate reference station happens fully automated. For a smooth operation, a GPRS and/or GSM (with unlocked CSD function) SIM card is mandatory. In addition to the serial interface, iNetGo has an USB port for configuration purposes. The power is obtained via a 6 pole RJ12 jack at a voltage range of 8 to 48V DC. The used antenna requires an SMA connector and has to cover the 900 MHz frequency band for the 2G and 3G connection or the 1'800 MHz frequency band for the 2G connection.

Technical Data iNetGo:

LED Status Information:	CSD data call in progress	50 ms on / 990 ms off
	Data transfer	50 ms on / 1'990 ms off
	Registered to network	50 ms on / 3'990 ms off
	Limited network service	500 ms on / 500 ms off
RS232 Interface:	115'200 bps, 8 data bits, no parity, 1 stop bit, RTS/CTS (Hardware) flow control	
SIM Card:	Mini SIM (ISO/IEC 7810:2003), size 25 m x 15 mm x 0.76 mm	
2G Frequency Band:	900 MHz / 1'800 MHz	
3G Frequency Band:	900 MHz	
Interfaces:	• Serial interface RS232 (RxD/TxD)	
	• SIM card slot	
	• Power supply RJ12 Western jack	
	• Micro USB	
	• SMA antenna connector	
Power Supply:	8…48 V DC, max. 3.5 W	
Dimensions:	Length: 71.8mm	
	Width: 40.6mm	
	Height: 21.6mm	

The configuration software iNetCommand is included in the scope of supply. With this user guided application it is possible to communicate with the iNetGo as well as to upload connection and correction data settings for configuration purposes. Provided default values for both net provider and reference service quicken the configuration process.

Furthermore, parameters such as hardware version or RF signal level are available at first sight.

Additional functions like an integrated terminal program or a log screen complete the software.

 # for new applications use iNetGo+ #