iNetGo+

Fully automated 4G Data Modem with additional WiFi capability to receive 2G/3G/4G GNSS Corrections

The iNetGo+ is a new generation of compact industrial class data modem that provides GNSS correction data in real time during the availability of mobile network from 2G up to 4G standard. iNetGo+ is independent of the GNSS receiver manufacturer and works with most GNSS correction data providers. To manage the correction data transmission connection, the GNSS receiver's NMEA183 sentence GGA is used for localization information.

- Wide supply voltage range of 8 to 48 V DC
- Dual SIM card support with fallback for high provider flexibility
- 2G / 3 G / 4G connection
- OpenVPN support (client & server)
- Integrated NTRIP - client
- Dial-up with the receipt of an NMEA-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.

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 SIM card with data transfer capabilities is mandatory. In addition to the serial interfaces, iNetGo+ has several Ethernet ports for data transfer, configuration purposes and to provide mobile internet to other network participants. The used antenna requires a SMA connector and has to cover the required frequency bands as mentioned in the table below.

iNetGo+ is available with frequency bands dedicated to the regions EU, China, USA AT&T, USA Verizon, EU / Australia / others.

Technical Data iNetGo+:

Ethernet 100BaseT Interface:	5 Ports RJ45	
Ethernet Wi-Fi:	IEEE 802.11 b/g/n, as access point or as client	
RS232 / RS422 Interface:	each 1 x RS232 and 1 x RS422 (1'200 … 115'200 Bd)	
Other interfaces:	1 digital input and 1 relay output available	
SIM Card:	2 Slots (ISO/IEC 7810:2003)	
Celular Interface:	4G LTE, 3G (HSPA+, HSUPA, HSDPA, UMTS) and 2G (EDGE, GPRS, GSM)	
Supported Bands:		
2G Frequency Band:	GSM/GPRS:	900/1'800 MHz
3G Frequency Band:	UMTS, HSDPA, HSUPA, HSPA+:	900/1'800/2'100 MHz
4G Frequency Band:	LTE:	800/900/1800/2100/2600 MHz
Antenna Interface:	2 x SMA antenna connector (female) for Cellular Antenna 2 x SMA antenna connector (female) for Wi-Fi (reverse polarity)	
LED Status Information:	Power, Status, Warning, Error, SIM, VPN, WLAN, signal strength	
Configuration:	via Web interface or GUI	
Power Supply / Weight / Humid.:	12…48 V DC, max. 5.3 W active, 3.8 W standby ; 620 grams ; 5…90 %, non-cond.	
Temperature:	-25…+70 °C operating, -40…+85 °C storage	
Dimensions / Mounting:	W x H x D = 45 x 132.6 x 112.8 mm / DIN rail	

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