

iNetGo (V4)

Fully automated Data Modem with additional WiFi Capability to receive NTRIP based GNSS / RTK Corrections via 2G/3G/4G

The iNetGo in revision V4 is the latest generation of compact industrial class data modem that provides GNSS RTK correction data in real time during the availability of mobile network from 2G up to 4G standard. iNetGo (V4) is independent of the GNSS receiver manufacturer and works with most GNSS correction data providers.

- Wide supply voltage range from 9 V to 30 V DC
- Dual SIM card support with fallback for high provider flexibility and highest coverage
- 2G / 3G / 4G connectivity
- OpenVPN support (client & server)
- Integrated NTRIP - client
- Roaming supported

To manage the GNSS correction data transmission connection, iNetGo can receive periodically the standardized GGA message (NMEA 0183) from the connected iNAT or iTraceRT or GNSS receiver and transmits this to the GNSS correction data provider. The NTRIP data provider usually requires these localization information to perform the best correction data.

After receipt of those GPGLL string, iNetGo(V4) connects automatically to the configured GNSS reference

service and supplies correction data over its UART interface.

With the integrated NTRIP client it is possible to receive correction data via Internet from different reference services, as well as from your own network reference station. For a smooth operation, a SIM card with data transfer capabilities is mandatory and included in iMAR's correction data service packages. In addition to the serial interfaces, iNetGo (V4) has several Ethernet ports for



data transfer, configuration purposes and to provide mobile Internet to other network participants. The setup comes with all required cables and antennas.

iNetGo(V4) is available with frequency bands dedicated to the regions EU, China, USA AT&T, USA Verizon, EU / Australia / others.

Technical Data iNetGo(V4):

Ethernet 100Base-T Interface:	4 Ports RJ45 (1x WAN, 3x LAN)
Ethernet Wi-Fi:	IEEE 802.11 b/g/n, as access point or as station
RS232 Interface:	each 1 x RS232 (300 Bd ... 115'200 Bd)
Input Interfaces:	1 x digital input ,1 x digital galvanically isolated input, 1 x analog input
Output Interfaces:	1 x digital open collector output, 1 x SPST relay output,
SIM Card:	2 Slots (Mini SIM - 2FF)
Celular Interface:	4G ,3G ,2G

Supported Bands:

2G Frequency Band:	B2, B3, B5, B8
3G Frequency Band:	B1, B2, B4, B5, B6, B8, B19
4G Frequency Band, LTE-FDD:	B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28
4G Frequency Band, LTE-TDD:	B38, B39, B40, B41

These frequency bands refer to the global version. If you require a version for a specific area of the world, please contact us.

Antenna Interface:	2 x SMA antenna connector (female) for Cellular Antenna 2 x RP-SMA antenna connector (female) for Wi-Fi (reverse polarity)
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LED Status Information:	Power, cellular status, connection strength, LAN Status
Configuration:	via Web interface

Power Supply / Weight:	9...30 V DC, max. 7 W active, 2 W Idle; 300 grams ;
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IP Protection, Humidity:	IP30; 10 %...90 %, non-cond.
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Temperature:	-40...+75 °C operating, -40...+75 °C storage
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Dimensions / Mounting:	W x H x D = 110 x 50 x 100 mm / DIN rail or flat surface
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iMAR PartNumber:	00014-06385-0000 (radio modem)
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	STERN-00006-0004 (adapter and cable set)
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