AIS comar SYSTEMS

RECEIVERS

G300Ni INTELLIGENT GPS RECEIVER WITH WIFI

SKU: 001-1070

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FEATURES

- **Industry Grade GPS Receiver**
- **WiFi and Ethernet connectivity**
- **Built-in ARMv8 Microcomputer for on-board data processing**
- **Highly configurable to suit any GPS network**
- **Ideal for feeding GPS location data to remote networks and databases**
- **Built-in USB ports for local monitoring**
- **Built-in HDMI port for connecting a display monitor**
- **Built-in micro-SD card slot for storing the OS and supporting software**
- **4 USB Type A ports**

OVERVIEW

The G300Ni Intelligent GPS receiver with WiFi is a GPS receiver interfaced to a ARMv8 microcomputer. The G300Ni is designed as a powerful and flexible platform for remote GPS monitoring applications, able to forward GPS data across a network. Multiple units can be deployed to form a complete monitoring network to report back to your chosen location.

The unit has both WiFi and Ethernet connectivity, as well as 4 USB ports and an HDMI connector for a monitor display. The G300Ni is supplied without software as a development platform for you to implement your own solution, or it can be supplied pre configured with bespoke data management software as an optional extra.

The G300Ni with its robust design and commercial grade GPS receiver makes it the perfect choice for monitoring of high value mobile assets.

APPLICATIONS

- Remote monitoring of GPS data via network
- Tracking mobile assets from a central location
- Bespoke data management software for logging and distribution of data developed by Comar Systems
- Development platform for your own software solution
- Logging data on internal storage while no network connection is available

RELATED PRODUCTS

AG100 - GPS Antenna

R500Ni - Intelligent Network AIS receiver with WiFi
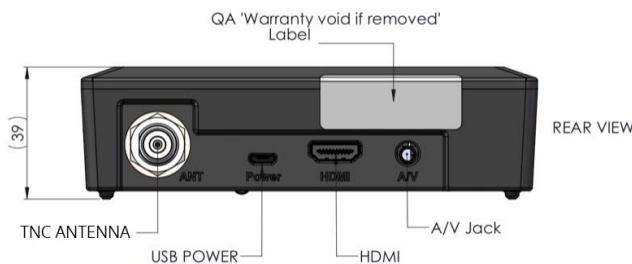
R500NGi - Intelligent Network AIS & GPS receiver with WiFi

PHYSICAL

Weight:	400g
Dimensions:	L 135 mm W 80 mm D 39 mm
Mounting:	To flat surface; 2 holes in case bottom
Connections:	Micro USB (Power); RJ45 Ethernet 10 / 100 Base-T; 4x USB 2.0 type A socket; TNC Coaxial to antenna; Micro-SD card slot
Construction:	Plastic housing
Finish:	Black plastic, textured

OPERATIONAL

Frequency	1575.42MHz
Sensitivity:	< -112 dBM
Microcomputer:	1.2 GHz 64bit quad-core ARM v8 CPU
WiFi:	802.11n
Display:	1 Indicator LED (Power ON)
NMEA Sentences available:	Standard - GPRMC GPGGA GPGSA GPGSV Optional - PGRME GPGLL GPVTG PGRMV PGRMF PGRMB PGRMM PGRMT

ELECTRICAL

Power Supply:	5 V dc; 900 – 1200 mA typical
Antenna Impedance:	50 Ω
USB power:	100 mA each port (max)

ENVIRONMENTAL

IP Rating:	IP40
Operating temp:	-15°C to +55°C
Compass:	Safe Distance 50 cm

ADDITIONAL

Supplied:	G300Ni receiver 'bare bones' without software
Option 1:	G300Ni receiver with bespoke data management software

ISO VIEW

PRODUCT LABEL

SERIAL LABEL

TOP VIEW

Intelligent Network GPS Receiver

G300Ni

(135)

(87.5)

(80)

REAR VIEW

QA 'Warranty void if removed' Label

(39)

TNC ANTENNA

USB POWER

HDMI

A/V Jack

SIDE VIEW

Network   USB   USB