

Global Navigation Satellite System GNSS



GNSS1 Series

GNSS1 Series is a Global Navigation system capable to provides precise positioning service data through multiple satellite constellations. The GNSS is providing geolocation data, heading, speed, time or elevation data.

Enhanced through the use of external high gain antennas to perform best data in any scenario, ready for fixed or mobile application.

Powered by Mediatek chipset to ensure low consumption and position accuracy.

Key features:

- High accuracy reading
- High performance 99 satellite detection
- Selectable 1 ~ 10Hz update rates
- Ethernet remote access and settings
- Fast cold start time of 33s
- Low power consumption
- Wide working temperature range
- HELIOS C2 compatible



Specifications:

	GNSS1
Reception modes	GPS, GALILEO, QZSS: L1 1575.42MHz, C/A GLONASS: L1 1598.0625MHz ~ 1605.375MHz, C/A
Protocol	NMEA0183 ver. 4.0
Output data	Latitude, longitude, height, time, heading, speed
Sensibility	-150dBm
Update rate	Selectable 1-10 Hz.
Reading accuracy	Autonomous <2,5m. / WASS, EGNOS <2m.
Velocity accuracy	0,1m/sec. - Max. 512m/sec.
SBAS	WAAS, EGNOS, MSAS, GAGAN
Communication	TTL / Ethernet 10/100
Serial com.	Default 9600kbps.*
LNA antenna gain	28±3dB.
Working temperature	-40/85°C. (Cold start 33sec., typical 1sec.)
GIS mapping	Yes*
Remote configuration	Yes
Power demand	3.3vDC. , 29mA.
Size/weight	4x4 cms. / 10gr.

* Higher baudrate to be requested at manufacturing step.

* Internet access required.

* Tanz Security reserves the right to change products or specifications without notice.

* Tanz Security brand and logo are registered trade marks.



Tanz Security, Spain
Avda. Madariaga 1, 3 floor
48014 Bilbao, Spain

Tanz Security, Taiwan
10Fl. No. 203 Zhonghua 1st. road
Gushan district, Kaohsiung 80455
Taiwan

www.tanzsecurity.com
info@tanzsecurity.com
Tel.: +34-654436742
Skype: tanz-support