



DESCRIPTION

GPS 2102/ GPS 3203 satellite navigation system is able to positioning with a high precision GNSS Card that is connected to GPS and GLONASS Satellite systems to work. Such that can do measure and calculate coarse over ground, speed over ground and other parameters that needs with high accuracy. That is comfortable to use for Patrol cars and Ships. GPS 3203 outfit with DGPS.



- High accuracy in positioning from
- install on dashboard or bracket
- Low electrical power consumption
- None Sensitive for Proximity with electrical and RF Devices
- Support NMEA0183 data outputs
- Environment IEC60945 standard
- Electronic Chart Display and Information System (ECDIS)

SPECIFICATIONS

Parameter	Specification	Description
Position Accuracy	Better Than 5 Meter Better Than 0.5 Meter (With DGPS)	Description
Channels in Work	24 Channel	Satellite In Use
Max Speed Calculated	500 Mis	In Full Accuracy
Up Date Rate	5 Hz	Data Sending Update
Serial Com Ports	4 RS422	Selectable Config.
Data Output	NMEA0183	Standard NMEA
Start Up Time	30 Sec	Warm Up Time
Re_Acquisition Time	<2 Sec	----
Shock	30 g6ms	Operating
Vibration	1~13.5 Hz 1mm Movement 13.5 ~ 100 Hz 0.7g Acc.	In According to IEC60945
Operation Temp	10°C to +55°C	----
Humidity	Relative %95 in +40 °C	without condensation

Display System

DESCRIPTION

- NCD-301 Navnet designed in compact case to monitor and controlling all navigation systems with I/O data ports in serial and network protocols. That is designed to portable easy mobility and mountable on static stand. Integrated powerful processor and display hardware help to use in all systems for processing and monitoring devices
- Input /output data ports in serial RS232 and RS422 , LAN , USB2 – 3 protocols are available .
- save and recording data from multi connected devices
- Environment IEC60945 standard



- Full isolation for all serial ports RS232 & RS422 with separate signal Grounds
- Easy to install on dashboard , stands and consoles
- Support USB Flash Memory to save and recording data
- Support OS Windows 7,8,10 in x86 - x64 and Linux

SPECIFICATIONS

Parameter	Specification	Description
CPU	Intel Quad Core In Physical	1.8GHz Up to 2 GHz
Memory RAM	2GB DDR3	Up to 8 GB
Input Data Protocol	NMEA 0183	And Other Protocols
Shock	30 g in 6 MS (operating)	Half sin. in 3 axis(X,Y,Z)
Vibration	1~13.5 Hz 1mm Movement 13.5 ~ 100 Hz 0.7g Acc.	In According to IEC60945
Operation Temp	-10°c to +55°c	-----
Humidity	Relative %95 in +40 °C	None condensation
Monitor	10" LCD Color TFT	And other Size Available
Weight	4 kg	Approx.
Connections	4 Serial RS232 & RS422 D-type 9 Ports 1 LAN- 1 VGA - 3 USB2 Ports - 1 USB3 Ports AC Power Generic socket -2 RS422Terminal Ports	Full Port