

NDU

IRNSS+GPS+GLONASS+GAGAN Navigation System



Features

- ❑ IRNSS L5+GPS L1+GLONASS L1+GAGAN based positioning system
- ❑ 4.3 inch TFT LCD Display with resistive touchscreen
- ❑ Navigation on Moving Map
- ❑ Input power supply range of 8V to 32V
- ❑ NMEA output through RS-232
- ❑ Non-volatile memory for data logging
- ❑ Keypad user interface



Product Description

NDU is an indigenously developed rugged IRNSS, GPS, GLONASS & GAGAN receiver with navigation display.

This product provides excellent performance in terms of sensitivity and TTFF.

The NDU power supply design is robust enough to handle the vehicle supply variations. It can operate from 8V up to 32V and provide protection against surges, short circuit and reverse power supply connection.

Few of other products realized by ACCORD



Specifications for NDU

GNSS

Receiver	40 channels (IRNSS L5+GPS L1+GLONASS L1+ GAGAN)
Sensitivity	-162 dBm tracking
TTF	50 sec (typical) Cold start
Accuracy	Position (horizontal): 10 m (RMS), Speed: 0.2 m/s (RMS)
Update Rate	1 Hz

System

Display	4.3 inch TFT LCD with resistive touchscreen
Keypad	Brightness, power and quick function keys.
Memory	128 MB (Flash memory) 4 GB (External memory)
Maps	Geotiff and ESRI shape files

Interface

Host interface	USB 2.0 for loading MAP RS-232 for NMEA output
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Environmental Characteristics

Operational Temperature Range (Ambient)	-20° C to +70° C
Storage Temperature Range	-30°C to +80°C

Electrical Characteristics

Mains supply	8V to 36V through interface connector
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Antenna

GNSS	External Antenna, Active antenna
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Messages

Track Updates	NMEA 0183 messages V4.10
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