

Navilock NL-82052USB Multi GNSS UDR u-blox NEO-M8U engine module

Description

GNSS modules are fully assembled receiver with patch antenna, backup battery etc ..

This version uses USB 2.0.

Several integrated sensors allow position determination without GNSS signals.

Note

The manual contains essential installation and commissioning conditions for the successful operation of this GNSS module!



Item no. 62763

EAN: 4043619627639

Country of origin: Taiwan,
Republic Of China

Package: Box

Specification

- Connector: WTB USB 2.0
- u-blox NEO-M8U module
- Frequency:
 - GPS: L1, 1575.4200 MHz
 - GLONASS: L1, 1602.5625 ~ 1615.5000 MHz
 - BEIDOU COMPASS: B1, 1561.0980 MHz
 - GALILEO E1, 1575.4200 MHz
 - QZSS L1, 1575.4200 MHz
- Accepts the signals of up to 72 satellites at the same time
- Supports AssistNow online/offline, SBAS (WAAS, EGNOS, QZSS and MSAS)
- Supports NMEA 0183 protocols: GGA, GSA, GSV, RMC, VTG
- Supports UDR from NMEA 4.1
- Auto Baud Rate up to 115200 bps
- Update rate: up to 20 Hz
- Sensibility max.: -160 dBm
- LED-indicator for GPS status
- Operating temperature:
 - 40 °C ~ 85 °C without battery
 - 20 °C ~ 60 °C with battery
- Power supply: 5 V DC
- Current consumption: max. 45 mA
- Cold start in ca. 26 seconds

- Hot start in ca. 1 second
 - Positioning accuracy:
 - 2.5 m CEP (Circular Error Probable)
 - 2.0 m CEP with SBAS (Circular Error Probable)
 - Dimension (LxWxH): ca. 30 x 30 x 7.90 mm
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System requirements

- Device with a free USB connector
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Package content

- Engine module
- Navilock support CD

Interface

connector:	1 x WTB ACES 87214 - 0600 plug
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Technical characteristics

Operating voltage:	5 V DC
Chipset:	u-blox NEO-M8U
Frequency range:	BEIDOU: B1, 1561.0980 MHz GALILEO: L1 1575.4200 MHz GLONASS: G1, 1.6025625 - 1.6155000 GHz GPS: L1, 1,5754200 GHz
Operating temperature:	-20 °C ~ 60 °C -40 °C ~ 85 °C without battery
Current consumption:	45 mA
Sensibility:	-160 dBm
Update rate:	up to 18 Hz

Physical characteristics

Length:	30 mm
Width:	30 mm
Height:	7.9 mm