

Navilock NL-82052USB Multi GNSS UDR u-blox NEO-M8U PPS 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!

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

System requirements

- Device with a free USB connector

Package content

- Engine module
- Navilock support CD

Item no. 62763

EAN: 4043619627639

Country of origin: Taiwan, Republic Of China

Package: Box



Interface

connector: **standard**
1 x WTB ACES 87214 - 0600 plug

Technical characteristics

Operating voltage: **standard**
5 V DC

Chipset: **standard**
u-blox NEO-M8U

Frequency range: **standard**
BEIDOU: B1, 1561.0980 MHz
GALILEO: E1 1575.4200 MHz
GLONASS: G1, 1.6025625 - 1.6155000 GHz
GPS: L1, 1575.4200 MHz

Operating temperature: **standard**
-20 °C ~ 60 °C
-40 °C ~ 85 °C without battery

Current consumption: **standard**
45 mA

Sensibility: **standard**
-160 dBm

Update rate: **standard**
up to 18 Hz

Physical characteristics

Length: **standard**
30 mm

Width: **standard**
30 mm

Height: **standard**
7.9 mm