

Navilock NL-82003P M8 Serial Multi GNSS UDR Receiver u-blox NEO-M8U 0.5 m

Description

The M8 serial multi GNSS UDR receiver by Navilock based on u-blox NEO-M8U chipset has a built-in active antenna as well as high-sensitivity sensors such as a 3D accelerometer and a 3D gyroscope. In conjunction with a laptop, a reliable position determination is also possible when the GNSS signal is interrupted. The M8 universal connector is waterproof and enables the connection of optional connecting cables with many different connectors.



Item no. 62759

EAN: 4043619627592

Country of origin: Taiwan, Republic Of China

Package: Box

Technical details

- Connector:
 - 1 x M8 Navilock waterproof connecting plug (USB or serial cable are optional available)
- Chipset: u-blox NEO-M8U
- Frequency:
 - GPS: L1, 1575.4200 MHz
 - GLONASS: L1, 1602 (k x 0.5625) 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
- PPS signal on pin 6 (LVTTTL 3.3 V)
- Update rate: up to 20 Hz
- Sensibility: max. -160 dBm

- Protection class: IPX6
- Operating temperature: -20 °C ~ 60 °C
- Power supply: 5 - 48 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) and 2 m CEP with SBAS
- Cable length: ca. 0.5 m
- Dimensions (LxWxH): ca. 65 x 45 x 22 mm

Microsoft Sensor and Location Platform (Website)

- Profit from Windows applications (e.g. weather, maps, etc)
- Supporting the GNSS location platform API (32 bit)

System requirements

- Linux Kernel 2.6 or above
- Mac OS
- Windows 8.1/10
- M8 connection cable

Package content

- M8 serial receiver
- Navilock support CD incl. driver and user manual

General

Protection category:	IPX6
Suitable for outdoor:	yes

Interface

connector:	1 x M8 male
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Technical characteristics

Operating voltage:	5 - 48 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
Current consumption:	45 mA
Sensibility:	-160 dBm
Update rate:	up to 20 Hz

Physical characteristics

Housing colour:	black
Cable colour:	black
Cable length incl. connector:	0.5 m
Diameter:	62 mm
Length:	65 mm
Height:	21 mm