

# Navilock NL-852EUSB u-blox 8 Multi GNSS Engine Module

## Description

GNSS modules are fully assembled receiver with patch antenna, backup battery etc .. This version uses USB 2.0.



**Item no. 62575**

EAN: 4043619625758

Country of origin: Taiwan,  
Republic of China

Package: Poly bag

## Technical details

- Connector: WTB, USB 2.0, 6 pin, pitch 1.0 mm
- Chipset: u-blox 8 UBX-M8030-KT
- 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
- USB specification 2.0
- TTL 3.3 V PPS signal on Pin 6
- Auto Baud Rate up to 115200 bps
- Update rate:
  - single GNSS: 18 Hz (e.g. GPS solo)
  - multi GNSS: 10 Hz (e.g. GPS + GLONASS)
- Sensitivity: -167 dBm
- LED-indicator for GPS-status
- Operating temperature:
  - 40 °C ~ 85 °C without battery

- 20 °C ~ 60 °C with battery
  - Power supply: 5 Volt
  - 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
    - 2.0 m CEP with SBAS
  - Dimension (LxWxH): ca. 30.0 x30.0 x 7.9 mm
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## System requirements

- Device with free USB 2.0 input
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## Package content

- GNSS module