

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

## Description

GNSS modules are fully assembled receiver with patch antenna, backup battery etc .. This version uses RS232.



## Specification

- Connector: WTB serial RS-232
- u-blox 8 UBX-M8030-KT chipset
- 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
- 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)
- Sensibility max. -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

## Item no. 62576

EAN: 4043619625765

Country of origin: Taiwan, Republic of China

Package: Poly bag



- 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
- Dimension (LxWxH): ca. 30 x30 x 7.90 mm

#### System requirements

- Device with free RS232 input

#### Package content

- GNSS module
- Navilock support CD