

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.



Item no. 62576

EAN: 4043619625765

Country of origin: Taiwan,
Republic of China

Package: Poly bag

Technical details

- Connector: WTB serial RS-232, 6 pin, pitch 1.0 mm
- 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
- Auto Baud Rate up to 115200 bps
- TTL 3.3 V PPS signal on Pin 6
- 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
- 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 x 30,0 x 7.90 mm

System requirements

- Device with free RS232 input

Package content

- GNSS module