

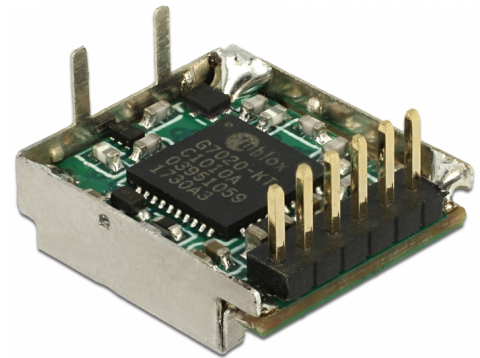
Navilock NL-731ETTL u-blox UBX-G7020-KT GPS PPS engine module

Description

The NL-731ETTL by Navilock is an extremely small powerful GNSS GPS module with u-blox 7 chipset. It is characterized by fast response, high sensitivity and low power consumption.

Note

Upon delivery, the module receives GPS/QZSS.



Item no. 60447

EAN: 4043619604470

Country of origin: China

Package: Bulk

Technical details

- Connectors:
 - 1 x WTB serial TTL
 - 1 x I-PEX Inc., MHF® I (I-PEX) jack, U.FL (Hirose) compatible
- u-blox UBX-G7020-KT module
- Frequency:
 - GPS: L1 C/A, 1575.4200 MHz
 - QZSS L1, 1575.4200 MHz
 - GLONASS: L10F, 1598.0625 - 1605.375 MHz
- Accepts the signals of up to 56 satellites at the same time
- Supports AssistNow online/offline, SBAS (WAAS, EGNOS, MSAS)
- Supports NMEA 0183 protocols: GGA, GLL, GSA, GSV, RMC, VTG, TXT
- Auto Baud Rate up to 115200 bps
- Update rate: up to 10 Hz
- Sensibility: -162 dBm tracking / -148 dBm acquisition (GPS)
- Operating temperature: -40 °C ~ 85 °C
- Power supply: 3.4 - 3.6 V
- Current consumption: max. 40 mA
- Cold start in ca. 29 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. 12 x 10 x 3.5 mm

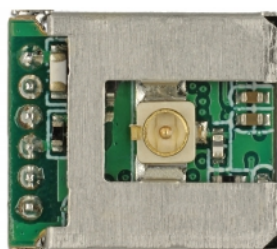
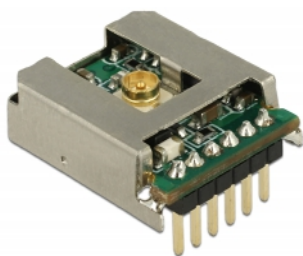
System requirements

- Device with a free TTL 3.3 V connector
- GNSS antenna with I-PEX Inc., MHF® I plug

Package content

- Engine module
- Navilock support CD

Images



Technical characteristics

| | |
|------------------------|---|
| Operating voltage: | 3.4 - 3.6 V |
| Chipset: | u-blox UBX-G7020-KT |
| Frequency range: | GLONASS: L10F, 1598.0625 - 1605.375 MHz GPS: L1 C/A, 1.5754200 GHz QZSS L1, 1575.4200 MHz |
| Operating temperature: | -40 °C ~ 85 °C |
| Current consumption: | max. 40 mA |
| Sensibility: | - 162 dBm tracking - 148 dBm acquisition |
| Update rate: | up to 10 Hz |

Physical characteristics

| | |
|---------|--------|
| Length: | 12 mm |
| Width: | 10 mm |
| Height: | 3.5 mm |