

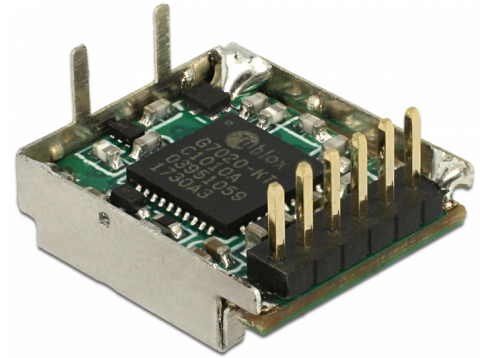
# Navilock NL-731ETTL u-blox UBX-G7020-KT GPS PPS engine module

## 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

## Specification

- Connectors:
  - 1 x WTB serial TTL
  - 1 x 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

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## System requirements

- Device with a free TTL 3.3 V connector
- GNSS antenna with MHF® I plug

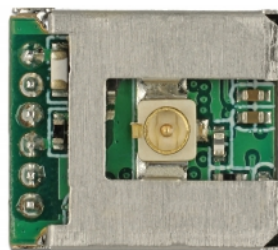
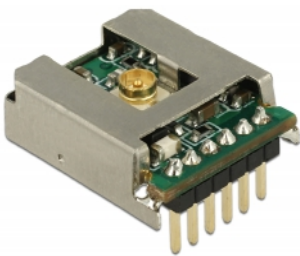
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## Package content

- Engine module
- Navilock support CD

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## 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