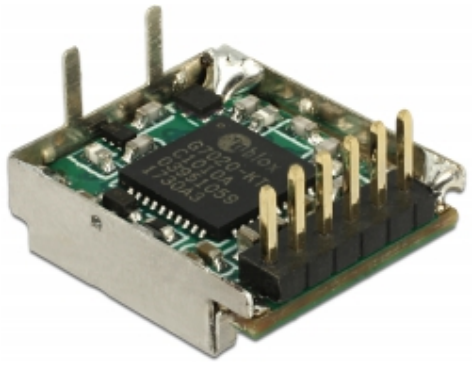
NL-731ETTL u-blox UBX-G7020-KT GPS PPS engine module

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.

Please 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

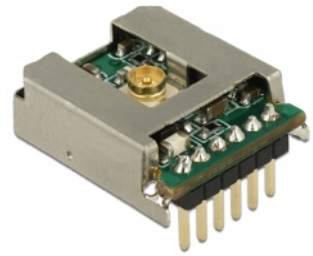
System requirements

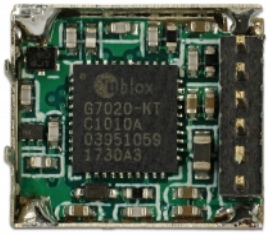
- Device with a free TTL 3.3 V connector
- GNSS antenna with I-PEX Inc., MHF® I plug

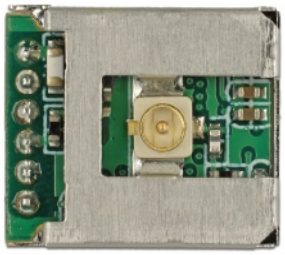
Package content

- 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
Sensitivity:	-162 dBm tracking -148 dBm acquisition
Update rate:	up to 10 Hz

Physical characteristics

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

Manufacturer information

Street	Beeskowdamm 13/15
Postal code	14167
City	Berlin
Country	Deutschland
E-Mail	info@navilock.de
Website	www.navilock.de