Navilock NL-82052TTL Multi GNSS UDR u-blox NEO-M8U PPS engine module

Description

GNSS modules are fully assembled receiver with patch antenna, backup battery etc .. This version uses TTL 3.30 V. Several integrated sensors allow position determination without GNSS signals.



Note

The manual contains essential installation and commissioning conditions for the successful operation of this GNSS module!

Specification

- Connector: WTB serial TTL
- u-blox NEO-M8U module
- Frequency:
  GPS: L1, 1575.4200 MHz
  GLONASS: L1, 1602.5625 ~ 1615.5000 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
- Supports UDR from NMEA 4.1
- Auto Baud Rate up to 115200 bps
- Update rate: up to 20 Hz
- Sensibility max.: –160 dBm
- LED-indicator for GPS status
- Operating temperature:
  -40 °C ~ 85 °C without battery
  -20 °C ~ 60 °C with battery
- Power supply: 5 - 48 V DC
- 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)
  2.0 m CEP with SBAS (Circular Error Probable)
- Dimension (LxWxH): ca. 30 x 30 x 7.90 mm

System requirements

- Device with a free TTL 3.3 V connector

Package content

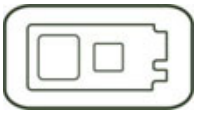
- Engine module
- Navilock support CD

Item no. 62745

EAN: 4043619627455

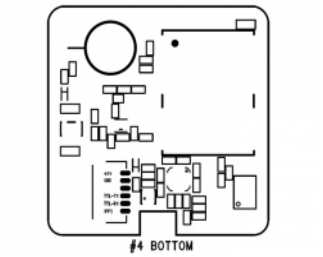
Country of origin: Taiwan, Republic Of China

Package: Poly bag



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Images



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Interface	
connector:	**standard**
	1 x WTB ACES 87214 - 0600 plug
Technical characteristics	
Operating voltage:	**standard**
	5 - 48 V DC
Chipset:	**standard**
	u-blox NEO-M8U
Frequency range:	**standard**
	BEIDOU: B1, 1561.0980 MHz
	GALILEO: E1 1575.4200 MHz
	GLONASS: G1, 1.6025625 - 1.6155000 GHz
	GPS: L1, 1575.4200 MHz
Operating temperature:	**standard**
	-20 °C ~ 60 °C
	-40 °C ~ 85 °C withour battery
Current consumption:	**standard**
	45 mA
Sensibility:	**standard**
	-160 dBm
Update rate:	**standard**
	up tp 20 Hz
Physical characteristics	
Length:	**standard**
	30 mm
Width:	**standard**
	30 mm
Height:	**standard**
	7.9 mm

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