NL-8004P MD6 Serial PPS Multi GNSS Receiver u-blox 8 5 m

Description

The MD6 serial multi GNSS Receiver based on u-blox 8 chipset has a built-in antenna for high sensitivity. You can use this GNSS Receiver with a laptop and a suitable routing software for navigation. The MD6 universal connector enables the connection of optional USB or serial connecting cables. The NL-8004P GNSS receiver can be installed onto different vehicle roofs (car, truck, bus etc.) by using the included installation material. Thus it can perfectly fit into the vehicle concept, due to its design.

Item no. 62527

EAN: 4043619625277

Country of origin: Taiwan, Republic of China

Package: Retail Box

Technical details

- Connector:
  MD6 Navilock plug (USB or serial cable are optional available)
- Chipset: u-blox 8 UBX-M8030-KT
- 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
- PPS signal on pin 6 (LVTTL 3.3 V)
- Update rate:
  single GNSS: 18 Hz (e.g. GPS solo)
  multi GNSS: 10 Hz (e.g. GPS+GLONASS)
- Sensibility: max. -167 dBm
- Protection class: IPX7
- Operating temperature: -20 °C ~ 60 °C
- Power supply: 5 V DC
- Current consumption: max. 45 mA

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- 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)
- Cable length: ca. 5 m
- Dimensions (Ø x H without screw thread): ca. 62 mm x 21 mm

Microsoft Sensor and Location Platform (Website)
- Profit from Windows applications (e.g. weather, maps, etc)
- Supporting the GNSS location platform API (32 bit)

System requirements

- Linux Kernel 2.6 or above
- Mac OS
- Windows Vista/7/8.1/10/11
- MD6 connection cable

Package content

- MD6 serial receiver
- Mounting material: stainless steel nut and washer
- Navilock support CD incl. driver and user manual

Images

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General

Protection class:	IPX7
Suitable for indoor:	yes
Suitable for outdoor:	yes

Interface

Connector:	1 x MD6 plug

Technical characteristics

Operating voltage:	5 V DC
Chipset:	u-blox M8030-KT
Frequency range:	BEIDOU: B1, 1561.0980 MHz QZSS L1, 1575.4200 MHz GALILEO: E1 1575.4200 MHz GPS: L1, 1575.4200 MHz GLONASS: L1, 1602 (k x 0.5625) MHz
Operating temperature:	-20 °C ~ 60 °C
Current consumption:	45 mA
Sensitivity:	-167 dBm
Update rate:	up to 18 Hz

Physical characteristics

Housing colour:	black
Cable length incl. connectors:	5 m
Diameter:	62 mm
Length:	21 mm

Manufacturer information

Street	Beeskowdamm 13/15
Postal code	14167
City	Berlin

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