

NL-803P EVA-M8Q 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-803P 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. 62798

EAN: 4043619627981

Country of origin: Taiwan,
Republic Of China

Package: Box

Technical details

- Connector: MD6 Navilock plug (USB or serial cable are optional available)
- Chipset: u-blox 8 EVA-M8Q
- 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 (LVTTTL 3.3 V)
- Update rate:
 - single GNSS: 18 Hz (e.g. GPS solo)
 - multi GNSS: 10 Hz (e.g. GPS+GLONASS)
- Sensibility: max. -164 dBm
- Protection class: IPX7
- Operating temperature: -10 °C ~ 50 °C
- Power supply: 5 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) and 2 m CEP with SBAS
 - Cable length: ca. 5 m
 - Dimensions (Ø x H without screw thread): ca. 62 mm x 21 mm
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System requirements

- Android 10.0 or above
 - Chrome OS 90.0 or above
 - Linux Kernel 5.8 or above
 - Windows 10/10-64/11
 - MD6 connection cable
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Package content

- MD6 serial receiver
 - Mounting material: stainless steel nut and washer
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Images



General

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

Interface

Connector:	1 x MD6 plug
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Technical characteristics

Operating voltage:	5 V
Chipset:	u-blox 8 EVA-M8Q
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:	-10 °C ~ 50 °C
Polarisation:	RHCP
Current consumption:	45 mA
Sensitivity:	-164 dBm
Update rate:	up to 18 Hz

Physical characteristics

Housing colour:	black
Cable colour:	black
Cable length incl. connectors:	5 m

Manufacturer information

Street	Beeskowdamm 13/15
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City	Berlin

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