

# Navilock NL-6004P MD6 Serial GPS Receiver u-blox 6 5 m

## Description

The GPS receiver based on u-blox NEO-6P chipset works very precise and it is ideal for positioning tasks because of the integrated PPP (Point Positioning Precision) function. PPP combined with SBAS allows high-precision applications in surveying, maritime and agriculture (precision farming). The MD6 universal connector enables the connection of optional USB or serial connecting cables. The NL-6004P GPS 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. 62447**

EAN: 4043619624478

Country of origin: Taiwan,  
Republic of China

Package: Box

## Specification

- Connector: MD6 Navilock plug (USB or serial cable are optional available)
  - Chipset: u-blox NEO-6P
  - PPP (Precision Point Positioning)
  - Frequency: GPS: L1, 1575.4200 MHz
  - Accepts the signals of up to 50 satellites at the same time
  - Integrated anti-jamming technology
  - Supports AssistNow online / offline, SBAS (WAAS, EGNOS, QZSS and MSAS)
  - Supports NMEA 0183 protocols: GGA, GSA, GSV, RMC, VTG, GLL
  - Auto Baud Rate up to 115200 bps
  - Update rate: up to 1 Hz
  - Sensibility max. -160 dBm
  - Protection class: IPX7
  - Operating temperature: -20 °C ~ 60 °C
  - Power supply: 5 V DC
  - Current consumption: max. 60 mA
  - Cold start in ca. 38 seconds
  - Hot start in ca. 1 second
  - Positioning accuracy:
    - GPS: 2.5 m
    - SBAS: 2.0 m
    - SBAS + PPP: < 1 m (2D, R50)
    - SBAS + PPP: < 2 m (3D, R50)
- Demonstrated under following conditions: 24 hours, stationary, first 600 seconds of

data discarded, HDOP < 1.5 during measurement period, strong signals. Continuous availability of valid SBAS correction data during full test period.

- 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)
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## System requirements

- Windows 2000/XP/Vista/7/8/8.1/10, Windows Mobile 4/5/6, Linux ex Kernel 2.4.x, Mac
  - MD6 connection cable
  - For devices with OTG function and optional OTG adapter: Windows 10
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## Package content

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

