

# NL-8005P MD6 Serial Multi GNSS Receiver u-blox 8 5m

## 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.



**Item no. 62526**

EAN: 4043619625260

Country of origin: Taiwan,  
Republic of China

Package: Retail Box

## Technical details

- Connector: MD6 Navilock plug (RS-232) (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 (LVTTTL 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
- IPX6 protection class
- Magnetic, non-slip on the bottom
- LED-indicator for GPS status
- Operating temperature: -20 °C ~ 60 °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 (LxWxH): ca. 65 x 45 x 22 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 Vista/7/8/8.1/10, Linux Kernel 2.6, Mac OS X
- MD6 connection cable

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## Package content

- MD6 serial receiver
- Navilock support CD incl. driver and user manual

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## Images



## General

|                       |      |
|-----------------------|------|
| Protection class:     | IPX6 |
| 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<br>QZSS L1, 1575.4200 MHz<br>GALILEO: E1 1575.4200 MHz<br>GPS: L1, 1575.4200 MHz<br>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    |
| Housing material:              | PC / ABS |
| Cable length incl. connectors: | 5 m      |
| Length:                        | 65 mm    |
| Width:                         | 45 mm    |
| Height:                        | 22 mm    |

## Manufacturer information

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

