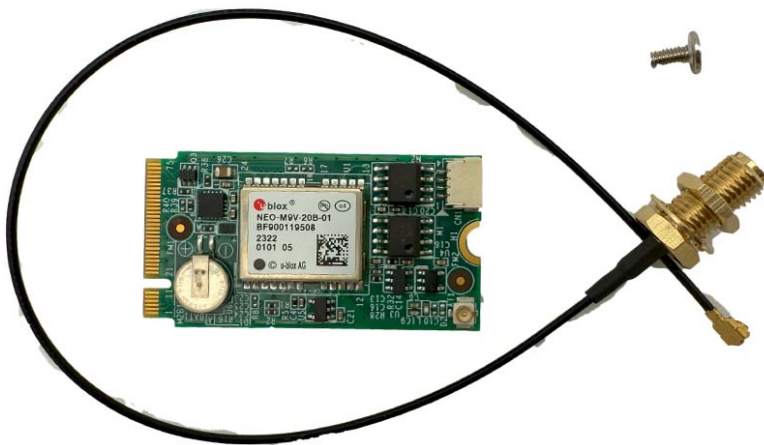




149.95 EUR

incl. 19% VAT, plus shipping

- **GPS/QZSS, GLONASS, Galileo !**
- **92-channels !**
- **-158dBm SuperSense !**
- **50 Hz Update Rate !**



Support:  [Specifications](#)

Embedded u-blox M9V GPS M.2 Card

Features :

- Concurrent Reception of GPS + QZSS, GLONASS, Galileo, BeiDou
- 92-channel u-blox M9 Engine
- Ultra Low Power Digital Accelerometer
- 158 dBm Acquisition & -159 dBm Tracking Sensitivity
- Dead Reckoning Support
- Operating Temp.: -40°C to 85°C

Specifications

Receiver Type

Chipset

u-blox NEO-M9V-20B

Receiver Type

Frequency

GPS: L1/C/A

QZSS: L1 C/A/S

GLONASS: L1OF

BeiBou: B1I (1561.098 MHz) only

Galileo: E1B/C

SABAS: L1 C/A: EGNOS, GAGAN, MSAS and WAAS

Channels

Supports 92-Channels

Sensitivity

Tracking & Navigation

-159dBm

Reacquisition

-158dBm

Cold Start (Autonomous)

-147dBm

Time to First Fix (TTFF)

Cold Start

24 sec

Hot Start

<2 sec

Aided Start

<2 sec

Accuracy

Accuracy

1.5 m CEP (with SBAS)

2.0 m CEP (without SBAS)

Horizontal: 1.5m

Vertical: 3m

External I/O

1 x 1.0 mm 1×4-PIN JST

PIN 1: WHEELTICK+

PIN 2: WHEELTICKPIN

3: FWD+

PIN 4: FWD-

Update Rate

50Hz (4 concurrent GNSS)

Dynamic Conditions

Output Message Format

Protocol

NMEA 4.11 (default), 4.10, 4.0, 2.3, and 2.1, UBX

Multipath Suppression

A-GPS

Receiver Type

Environmental Characteristics

Operating Temp.

-40°C to +80°C

Storage Temp.

-40°C to +85°C

Power

Input: 3.3 VDC +/- 10%

I/O Input: 30 VDC

Consumption: >0.6 watts (w/o active antenna)

Dimensions

22 x 42 x 8 mm

Ordering Information

Part Number

VDB-811DR-M2-2242-B

Description

Embedded u-blox M9V GPS M.2 Card