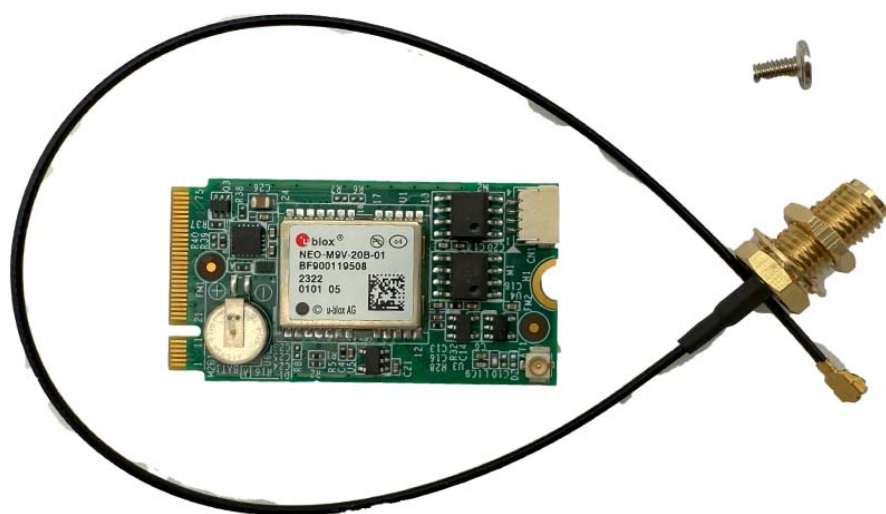


0.00 EUR

incl. 19% VAT, plus [shipping](#)

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



Embedded u-blox M9V GPS Mini PCIe 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

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
	1 x 1.0 mm 1×4-PIN JST
External I/O	PIN 1: WHEELTICK+
	PIN 2: WHEELTICKPIN
	3: FWD+
	PIN 4: FWD-
	50Hz (4 concurrent GNSS)
Update Rate	
Dynamic Conditions	
Output Message Format	
Protocol	NMEA 4.11 (default), 4.10, 4.0, 2.3, and 2.1, UBX
Multipath Suppression	
A-GPS	
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 Mini PCIe Card