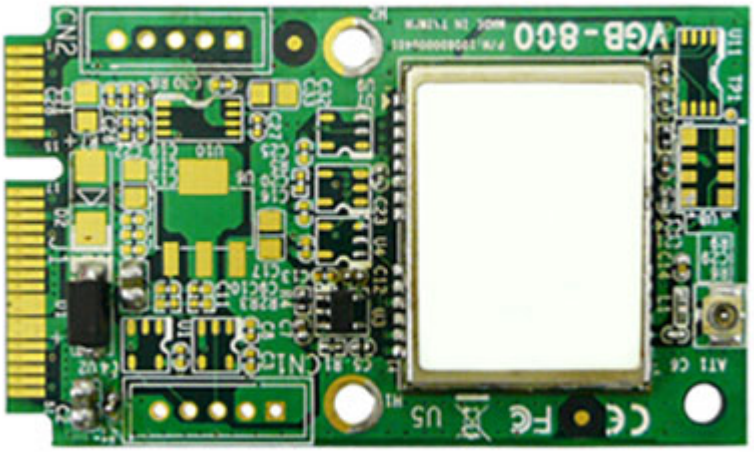

79.95 EUR
incl. 19% VAT, plus shipping

- GPS/QZSS, GLONASS, BeiDou !
- 72-channels !
- -167dBm SuperSense !
- 10 Hz Update Rate !

Support: Specifications | Drivers (Windows)

Embedded u-blox M8 GPS with G-Sensor Mini PCIe Card

Features :
Concurrent Reception of GPS/QZSS, GLONASS, BeiDou
72-channel u-blox M8 Engine w/ Over 2 Million Effective Correlators
-167dBm SuperSense® Acquisition & Tracking Sensitivity
10 Hz Position Update Rate
Standard Mini PCIe V1.2 Full-Mini Card(USB2.0 Interface)
Time To First Fix (TTFF) : <1 sec
Operating Temp. : -40ºC to 85ºC

Specifications

	Receiver Type
Chipset	u-blox M8
Frequency	GPS L1 C/A, SBAS L1 C/A, QZSS L1 C/A, GLONASS L1OF, BeiDou B1
Channels	Supports 72 Channels
	Sensitivity
Tracking & Navigation	-167dBm
Acquisition	-160dBm
Cold Start (Autonomous)	-148dBm
	Time to First Fix (TTFF)
Cold Start	26 sec
Warm Start	26 sec
Hot Start	<1 sec
Aided Start	<2 sec
	Accuracy
Horizontal Position	Autonomous : <2.5m CEP, SBAS : <2.0m CEP
Accuracy of Timepulse Signal	RMS 30ns
Max Navigation	99% <60ns
Update Rate	10Hz (GPS & GLONASS), 18Hz (GPS)
	Dynamic Conditions
Velocity	<500 m/s (972 knots)
Acceleration	<= 4g
	Output Message Format

GPS Protocol	NMEA 0183 V4.0, UBX, RTCM2.3
	Multipath Suppression
Type	Intelligent multipath detection and suppression
	A-GPS
Type	Supports AssistNow® Online and Offline, OMA SUPL Compliant
	G-Sensor
Type	3-axis accelerometer
	Environmental Characteristics
Operating Temp.	-40ºC to +85ºC
Storage Temp.	-40ºC to +85ºC
Peak Supply Current	Max=150mA
Max Performance	Acquisition =74mA
Eco Mode	Tracking = 43mA
Power Input	3.3V +-10% VDC input
Dimensions	51 x 30 (mm)
	Ordering Information
Part Number	VDB-810G-000
Description	Embedded u-blox M8 GPS with G-Sensor Mini PCIe Card