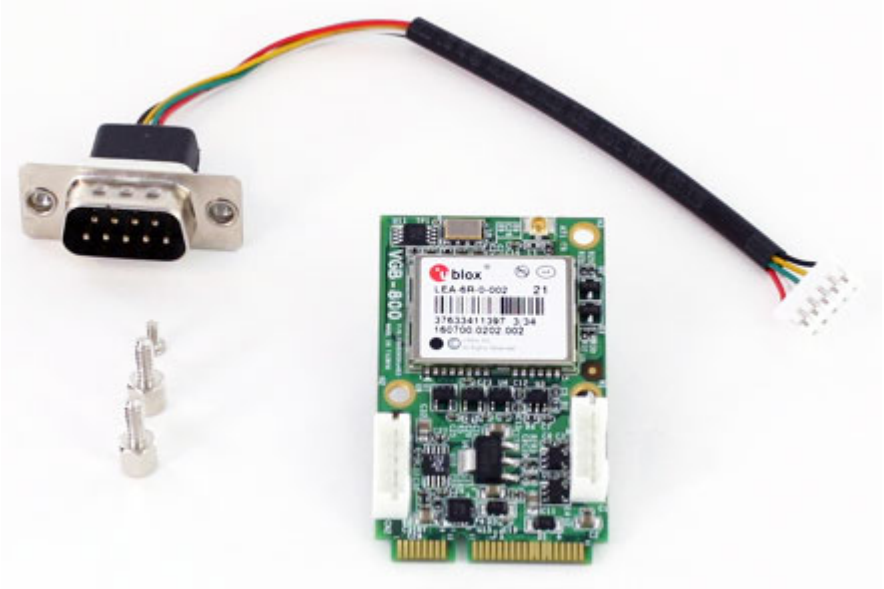

89.00 EUR
incl. 19% VAT, plus shipping

- Dead Reckoning !
- u-blox6 !

Support: Manual [EN] | Drivers (Windows)

VDB-800DR is new generation GPS Module, integrated Dead Reckoning technology. VDB-800DR includes dead reckoning sensors to track vehicle when GPS signal lose. For example: When you lose GPS signal in tunnel, VDB-800DR keep navigation.

Product Features
- 50-channel u-blox6 Engine with Over 2 Million Effective Correlatorsu
- -146dBm SuperSense® Acquisition and Tracking Sensitivity
- AssistNow Online and Offline A-GPS Services,OMA SUPL Compliant
- 100% Coverage with Continuous Position Fixes Even in Tunnels
- Highly Accurate and Reliable Navigation Performance
- Automatic Sensor Calibration and Temperature
- Operating Temperature : -40ºC to 85ºC

	Receiver Type
Chipset	u-blox6
	GPS L1, C/A Code
Frequency	GALILEO L1 Open Service (with upgrade)
	SBAS : WAAS, EGNOS, MSAS, GAGAN
Channels	Supports 50 Channels
	Sensitivity
Tracking & Navigation	-160dBm
Acquisition	-160dBm
Cold Start (Autonomous)	-146dBm
	Time to First Fix (TTFF)
Cold Start	32 sec
Warm Start	32 sec
Hot Start	1 sec
Aided Start	<3 sec
	Accuracy
Horizontal Position	Position : <2.5m CEP, SBAS : <2.0m CEP
I/O Port	1 x Odometer 1 x FWD
Max Navigation	99% <60ns
Update Rate	1Hz combined DR & GPS update rate
	Dynamic Conditions
Horizontal Position	<500 m/s (972 knots)
Accuracy of Timepulse Signal	<= 4g

Output Message Format

GPS Protocol	NMEA, UBX Binary, GGA, GLL, GSA, GSV, RMC, VTG, TXT

Multipath Suppression

Intelligent multipath detection and suppression

A-GPS

Supports AssistNow® Online and Offline, OMA SUPL Compliant

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-800DR-000
Description	Embedded u-blox6 GPS with **Dead Reckoning** Mini PCIe Card