CR-508 M.2 GPS/GLONASS module with PCI-express

The CR-508 module can be installed in fixed and mobile computers, onboard control units and controllers having an expansion slot M.2. The product provides the receipt of satellite navigation information from GPS and GLONASS systems and the transfer of navigational data to the computer - global coordinates, altitude, speed, exact time.

Main features

➢ **Standard M.2 module with dimensions 2242**

➢ **PCI-express x1 interface bus**

➢ **Messages format NMEA 0183**

➢ **External active antenna**

➢ **Battary powered for fast start**

➢ **Drivers for Windows XP, Vista, 7, 8, 8.1,10, Linux >= 2.6.32**

Technical data

General characteristics	
Form factor	M.2 2242, keys B,M
Dimensions	42x22x7 mm
Interface bus	PCI-express 2.0 Gen 1
Logical interface	UART 4800..115200 kbit/s (9600 default)
Satellite Systems	GPS, GLONASS, the same time
Ambient temperature	-40..+80°C
Battary	Yes
RF module	
GPS range	1575,42 ±0,5 MHz
GLONASS range	1597,5…1605,9 MHz
Sensivity	-148dbm (detection)
	-165 dbm (tracking)
Time of first determination (signal level -130 dbm)	35s (cold start)
	1s (hot start)
Accuracy of positioning	3 m (Longitude Latitude)
	4 m (sea level)
Antenna input	
Socket type	MMCX (female)
Antenna type	Active, power 3.3V 100 mA

Producer

Parabel ltd

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