

GTrek II specification page

General	
Frequency	L1,1575.42MHZ
C/A Code	1.023MHZ
Datum	WGS84
Performance Characteristics	
Position Accuracy	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal) DGPS (WAAS,EGNOS,MSAS,RTCM):2.5m
Velocity Accuracy	Without aid: 0.1m/s DGPS (WAAS,EGNOS,MSAS,RTCM):0.05m/s
Acceleration	Without aid:<4g DGPS (WAAS,EGNOS,MSAS,RTCM):<4g
Timing Accuracy	50ns RMS
Re-acquisition Time	<1s
Hot start	1s (Typical)
Warm start	33s (min)
Cold start	36s (min)
Sensitivity	Acquisition:-158dbm Tracking:-165dbm
Update	0.2s, 1s, 4s, 6s
Dynamic	
Altitude	Maximum 18,000m
Velocity	Maximum 515m/s
Acceleration	Maximum 4g
Power	
Input Voltage	Vin : 5.0V±10%
Power Consumption	40mA
Battery	Built-in rechargeable 1000mAH Li-ion battery
I/O	
Available Baud Rates	115,200 bps
Protocols	NMEA 0183 v3.01
Environment	
Operating Temp.	-10 ~ 60°C
Storage Temperature	-20 ~ 60°C
Charging	0 ~ 45°C
Bluetooth	
Standard	Fully compliant with Bluetooth V1.2
Output Power	0dbm (Typical),Class II
Range	Up to 15 meters
Bluetooth Profile	Serial Port Profile (SPP)
Frequency	2.4G ~ 2.4835GHz ISM Band
Security	Yes
USB Bridge	
Standard	Fully compliant with USB 2.0
Full - speed	12Mbps
Dimension	
GTrek	46.5 x72.2 x20 mm
Weight	60g (including battery)
Data Log	
16Mb serial Flash ROM	
Up to 125,000 way points (typically 123,000)	
Log GPS data by time interval/ distance/ speed limit.	
Log GPS data by button push.	
User can configure settings by using utility.	