

GTrek II

Category	Parameter	Description
General	GPS Chip	MTK
	Frequency	L1,1575.42 MHZ
	C/A Code	1.023MHz chip rate
	Channels	66 CH for tracking
	Antenna	Built-in patch antenna with LNA
	Datum	WGS-84
Acquisition	Cold Start	35 sec, average
	Warm Start	34 sec, average
	Hot Start	1.5 sec, average
	AGPS	<15sec
Power	Battery	Li-Ion (re-chargable 1000mAH)
	Charging time	3hrs (Typical full charge)
	Operation Time	26hrs
	Power Charge	Mini USB (optional mains charger)
Environmental	Operating	-10°C to +60°C
	Storage	-20°C to +60°C
	Charging	0°C to +40°C
	Relative Humidity	5% to 90% non-condensing
Accuracy (none DGPS)	Position	Without aid: 3.0m 2D-RMS
		DGPS: 2.5m, 2D-RMS
	Velocity	Without aid: 0.1m/s
		DGPS: 0.05m/s
Sensitivity	-165dBm (tracking)	
Dynamic	Altitude	<18,000m
	Velocity	<515m/sec
	Acceleration	4g
Interface	Bluetooth	version 1.2 compliant
	Output Power	Class2 (10 meter in free space)
	Frequency	2.4 to 2.4835GHz
Protocol		NMEA-0183 (V3.01) - GGA, GSA, GSV, RMC (default)
		Data bit: 8, stop bit:1 (Default)
		Baud Rate 115,200
Physical	Dimension	46.5W x 72.2L x 20H mm
	Weight	64g
Data Log		Up to 122,000 way points.
		Log GPS data by time interval / distance / speed limit.
		Additional log GPS data by push button.
		Log by time - 0.2s to 99s
		Log by distance - 1 to 99m
		Log by speed - 1 to 99kph
Others	LED	Bluetooth, Navigation, Battery/ charger status
	Certification	CE / FCC

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*Citation MTK original chipset spec

