

Specification:

System Specification		
Chipset		M1218 GPS/AGPS
Frequency		L1, 1575.42 MHz
C/A Code		1.023MHz chip rate
Channels		44 all-in-view tracking
Tracking Sensitivity		-158 dBm
Re-acquisition		-155dBm
Accuracy	Position Horizontal	10m 2D RMS (without SA)
	WAAS enabled	5m 2D RMS (without SA)
	Time	1 micro-second synchronized to GPS time
	Velocity	0.1m/sec 95% (without SA)
Datum	Datum	WGS-84
Acquisition Rate	Hot Start	1 sec., average
	Warm Start	32 sec., average
	Cold Start	35 sec., average
		< 4 seconds fix with A-GPS support (Option)
	Reacquisition	< 1s., average (with power save mode OFF)
Protocol	GPS Output data	NMEA-0183 V3.01; SkyTraQ Binary
Dynamic Condition	Acceleration	Less than 4G
	Altitude	18,000 meters max.
	Velocity	515 meters/ sec. max.
Interface		Communication Protocol: Communicate with host platform via Bluetooth V1.1 (Class 2) Serial Port Profile Bluetooth distance 10 meters (Typical) GPS Protocol: Default: NMEA-0183-RMC Data bit: 8, stop bit: 1 (Default)
Power	Voltage	Rechargeable Li-ion battery
Dimension		70.0 x 28.0 x 20.0 mm (L x W x H)
Weight		25g (Device Only)
Temperature	Operating	-20°C ~ +60°C
	Storage	-20°C ~ +80°C
Data Logger	Humidity	Up to 95% non-condensing
		Log 100,000 records in flash memory (8M bits) Log data: Longitude, Latitude, Speed, UTC Output data format: WGS84 Mapping software: Google Earth Log interval: by time (1sec~30mins) or distance (1~65535 meters)