



QSTARZ INTERNATIONAL CO., LTD

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Super 66-CH Performance mini GPS Travel Recorder®

Model: BT-Q1300

Features:

Hardware:

- Adopt MTK chipset with high sensitivity -159dBm and **66-Channel** tracking
- Lower power consumption up to 10hrs for travel recording
- Stand-Alone travel recorder to log up to 200,000 records (*)
- Slim, Thin, Light, and Stylish design, only 60L x 40W x 7H (mm)
- Built-in Photo Geotag and visualized travel path
- Support Multi-mode setting to record data (Vehicle, Bicycle, Jog)
- Fast Position Fix ,Cold start 36s, Warm start 33s,Hot start 1s
- Auto On-Off function for smart power control
- Personal/Portable Navigation (PDA, Smartphone, PC, etc.)
- WAAS+EGNOS+MSAS support



Software:

- Double software included with built-in Google Map, multi-language support, and visualization UI
- Provide PC Utility V3 allowing you to further detailly configure the device
- Provide PC Utility V4 with built-in Google Map and visualiztion UI for users to easily manage their travel
- Auto track split function helps you organize your travel path
- Support Track Edit function allowing you to remove unnecessary waypoints
- Active NMEA protocol VTG / GLL manually via Qstarz setup tool.
- Backup your travel record as GPX / PLT / CSV / NMEA / Google Earth file format.
- Draw your navigation path immediately on Google Earth as default
- Support GeoTagging function for digital photo and generate KMZ file easily

* The waypoints would be decreased when the more options of Log Format are selected



Specifications:

General		Accuracy (none DGPS)	
GPS Chip	MTK GPS Module	Position	
Frequency	L1, 1575.42MHz	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal) DGPS (WAAS, EGNOS, MSAS, RTCM): 2.5m	
C/A Code	1.023MHz chip rate	Velocity	Without aid: 0.1m/s, DGPS(WAAS, EGNOS, MSAS, RTCM): 0.05m/s
Channels	66 CH performance tracking	Time	50 ns RMS
Antenna (Internal)	Built-in patch antenna with LNA	Datum	WGS-84
Sensitivity		Dynamic Conditions	
Tracking -159 dBm		Altitude	<18,000m
Acquisition Rate		Velocity	<515m/sec
Cold Start	36 sec. average	Acceleration	<4g
Warm Start	33 sec. average	Update	1Hz as default (Up to 5Hz - optional)
Hot Start	1 sec. average	Interface	
Reacquisition	< 1 sec.	Bluetooth	V1.2 compliant (SPP profile)
Power			Class 2 (15 meters in open space)
Built-in rechargeable Li-ion battery			Frequency: 2.4~2.4835 GHz
Input Voltage	Vin: DC 3.0-5.0V	Power On/Off	Slide switch
Backup Voltage	DC 1.2 ± 10%	Power Charge	Mini USB
Charging time	3hrs. (Typical)	GPS Protocol	
Environmental		NMEA-0183 (V3.01) – GGA, GSA,GSV, RMC(default); VTG, GLL(Optional) , Baud rate 115200 bps, Data bit : 8, stop bit : 1(Default)	
Operating Temperature	- 10 to + 60		
Storage Temperature	- 20 to + 60		
Charging	0 to + 45	Device Size	
		60 (L) X 40 (W) X 7 (H) mm	