

GPS Logger Module

PCM

- u-blox6 high performance chipset designed for fast and accurate fix on GPS signals.
- Low power consumption for 28 hours continuous operation.
- Support Bluetooth interface to connect other device.
- Plug and Play without installation of any driver or software.
- Auto-show track on Google Maps without any further operation.
- Support Micro-SD card with huge memory for logging.
- Support inbuilt backup memory (260,000 way-points).
- Firmware upgradeable via PC.
- WBT_Tool (the inbuilt software) supports following.



General

GPS Frequency	L1, 1575.42 MHz
Channels	32 Channel for acquisition / 18 Channel for tracking
Correlator	1 million parallel correlators
Chipset	u-blox 6
Protocol	NMEA 0183
Update Rate	1Hz
Antenna Type	Built in Patch Antenna
Bluetooth Operating Distance	10 m
Interface	Bluetooth & USB2.0
Transmission Rate	57600 bps
Accuracy	2.5m CEP (stand-alone, S/A off) / 2.0m CEP (SBAS)

GPS ACU

Reacquisition	< 1 sec.
Hot Start	< 3.5 sec
Warm Start	33 sec
Cold Start	34 sec

*Specifications are for reference only, subject to change without notice, please contact ODM / OEM specifications.

Power

Average Operation Current	40 mA (w/o Bluetooth) / 50 mA (with Bluetooth)
Operation Time	More than 28 hours (w/o Bluetooth), More than 23 hours (with Bluetooth)

Bluetooth

Version	2
Class	2
Frequency Band	2.400~2.4835GHz unlicensed ISM band
Spectrum	FHSS (Frequency Hopping Spread Spectrum)
Modulation	GFSK
Power Consumption	10 mA
Service	SPP Slave

Shake Sensor

Shake Sensor	Horizontal
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Track Record (Logger)

Max. Record Points	260000 (Built-in data flash memory), Depend on micro-SD card capacity (Max. 2 GB)
LOG Mode	Disable LOG, By Angle change, By Speed, By Time interval, By Distance Mix mode (Angle / Speed / Time / Distance), Push-to-LOG