

GT30-GPS



The Bluetooth GPS Data Logger is a unique, user friendly Wireless interface for vehicle tracking device. Bluetooth GPS Data Logger uses the Global Positioning System (GPS) to record vehicle movement, speed, route and duration of stops. This information can be displayed on a GIS mapping with MapInfo formatted while downloading data to PC. So user can view vehicle's activity in precise detail.

Key Features

- Bluetooth GPS receiver and GPS data logger all in one
- Optional Flash memory 4 MBytes
- Data upload/download via mini USB
- Motion sensor for auto power saving mode: the device switches on/off when it is moving/motionless.
- Power mode setting: GPS on only or Bluetooth and GPS both on
- Support Speaker Sound, LED indications
- Ultra low power consumption, up to 22hours of continuous use with battery fully charged
- Rechargeable 1100mA Li-ion battery with the original made-in-Japan battery cells
- Cold/warm/hot start (42/38/3~6 seconds)
- 16 channels "All-in-View" tracking.
- Compatible with Bluetooth enabled devices with Serial Port Profile (SPP)
- High sensitivity: -152dbm
- Build-in High Gain antenna
- Data format: longitude, latitude, speed , UTC
- GPS trace interval time setting from 1sec ~ 30 minutes
- GPS Trace data by distance interval 2~65535 meters

Specifications:

General		Accuracy	
GPS Chip	NEMERIX GPS Module	Position	
Frequency	L1, 1575.42MHz	3meters CEP (50%), without SA (Horizontal) 7 meters (90%)	
C/A Code	1.023MHz chip rate	Velocity	0.1 m/sec. without SA
Channels	16 CH all in view tracking	Time	±100 ns synchronized to GPS time
Internal Antenna	Built-in low noise	Datum	
I/O	External antenna port MMCX Mini.USB 1.1/2.0(12Mb)	WGS-84 (or by demanded)	
Audio Output	Speaker: 1Watt / 8 ohm	Sensitivity	
LED:	Bluetooth, GPS, power status	To – 152 dBm	
Acquisition Rate		Dynamic Conditions	
Cold Start	45 sec, average	Altitude	< 18,000m
Warm Start	35 sec, average	Velocity	< 515m/sec
Hot Start	5 sec, average	Acceleration	< 4g
Reacquisition	1 sec, average	Motional Jerk	20 m/sec.
Power		Interface	
Built-in rechargeable 1100 mAh Li-ion battery		<u>Communication Protocol</u>	
5 V DC input		Communicate with host platform via	
Operation Current	45 mAh (Typical)	Bluetooth (class 2) serial port profile	
Operation Time	22 hrs, fully charged	Bluetooth communication distance 10 M. TYP.	
Charging time	3 hrs. (Typical)	<u>GPS Protocol</u>	
Environmental		NMEA-0183 (V3.01) – GGA(1), GSA(3),	
Operating Temperature	- 20c to + 60c	GSV(3), RMC(1),VTG(1), Baud rate 38400 bps,	
Relative Humidity	5% to 90% non-condensing	Data bit: 8, stop bit : 1(Default) *	
Accessories		* (1): 1sec output 1msg , (3): 3sec output 1msg	
Car charger (12V in, 5V output)		Device Size	
AC adaptor (5.3V output, 500ma)		Dimension: 76 (L) X 46 (W) X 20 (H) mm	
		Weight: 50g (without battery)	