

i-Blue-747 GPS Data Logger with 51 channels



Overview

This BT GPS logger features an all-in-one, cost-effective portable GPS logging solution. With its large on-board memory, it allows you to log your route by setting the interval of time/distance/speed. Point of interest can also be recorded by push of a button. Through user friendly utility, it shows your track on Google Earth. This data logger is small and robust, ideal to carry everywhere for applications such as route tracking, keeping a watchful eye on shipment or vehicles.

Key Features

- 51-Channel all-in-view tracking
- MTK chipset with ultra high sensitivity to -158dBm
- Up to 25hrs operating time
- Fast Position, Cold start 36s, Warm start 33s, Hot start 1s.

Application

- Automotive.
- Fleet management / Asset tracking.
- Personal / portable Navigation (PDA, Smart phone).
- Location Based Services.
- Sports and Recreation.
- Geographic Surveying

i-Blue747

GPS Data Logger

Specification

General		Accuracy (none DGPS)	
GPS Chip	MTK GPS	Position	
Frequency	L1, 1575.42MHz	<3 meters Static CEP 50 DGPS (WAAS,EGNOS,MSAS,RTCM):2.5m	
C/A Code	1.023MHz chip rate	Velocity	0.1 m/sec. without SA DGPS: 0.05m
Channels	51 CH all in view tracking	Time	±50 ns synchronized to GPS time
Antenna (Internal)	Built-in patch antenna with LNA	Datum WGS-84	
Sensitivity Tracking : -158 dBm		Dynamic Conditions	
Acquisition Rate		Altitude	<18,000m
Cold Start	36 sec, average	Velocity	<515m/sec
Warm Start	33 sec, average	Acceleration	<4g
Hot Start	1 sec, average	Motional Jerk	20 m/sec.
Reacquisition	<1sec	Interface	
Power Built-in rechargeable 1000mAh Li-ion battery		Bluetooth™	version 1.2 compliant Class 2 (10 meter in free space) Frequency : 2.400 to 2.480 GHz
Operation Current	Acquisition: 55.1mA	Power On/Off	Slide switch
	Tracking: 30.3mA	Antenna port	none
		Power Charge	Mini USB
Environmental		GPS Protocol	
Operating Temperature	- 10 °C to + 60 °C	NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC (default)	
Store Temperature	- 20 °C to + 60 °C		
Charging Temperature	0 °C to + 45 °C		
Relative Humidity	5% to 90% non-condensing		
Accessories		Device Size	
1. AC adaptor (100-240V in, 5V 600mA out) (EU / UK /US)		72.01 (L) x 45.02 (W) x 19.80 (H) mm	
2. Car charger (12V in, 5V 850mA out)			
3. Retractable USB cable			
LED function	Bluetooth connection , Navigation Update and Battery / changer status Indication		
Certification	CE / FCC /		
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