



GT-760 GPLAYER

Fast Acquisition high-Sensitivity GPS Data Logger Dongle With MP3 Player

FEATURES

- Acquire and track 65 satellites simultaneously
- Signal detection better than -160dBm
- Reacquisition sensitivity -155dBm
- Cold start < 30 seconds at -147dBm
- Hot start < 1sec under open sky
- 2.5m CEP accuracy
- SBAS (WAAS, EGNOS) support
- 2M Bytes flash memory for data logging, with 16M-Bit binary data per record that stores up to 256K data records
- Log data can be exported to mapping software such as Google Earth and TrackMaker
- Logging data interval programmable: by time or distance
- Data tag (start, stop point) can be set by user
- Ultra low power consumption: over 24/11/8 hours when GPS alone/MP3 alone/GPS+MP3 at the same time
- Rechargeable Li-Polymer Battery
- MP3/WMA Digital Audio Player
- 2.0 USB Micro-SD card reader
- High-Speed USB Hub Specification 1.1/2.0 version
- Light-weight
portable, dimension :88.49x32.36x16.65 mm

The GT-760 GPLAYER is a single board of USB-GPS receiver with MP3 player function for customers who require easy system integration and minimal development risk.

The GT-760 GPLAYER is optimized for good performance and low cost. Its 65 parallel channels and Venus 6 search bins provide short start-up time and fast signal acquisition. Having fast time-to-first-fix and high sensitivity, the GT-760 offers good navigation performance even in urban canyons.

The GT-760 is capable of keeping up to 250K records or positions, including longitude, latitude, speed, UTC, and tag data. The location histories can be exported to mapping software such as Google Earth or TrackMaker.

Satellite-based augmentation systems, such as WAAS and EGNOS, are supported to yield improved accuracy. Besides it also supports A-GPS function and fixed in the short time.

The GT-760 built-in MP3 Player, support 8~48KHz sampling frequency. Also support single channel, dual channel, and stereo format. 20 steps digital volume control Fully compatible with USB specification 2.0

USB interface are provided on the interface connector. Supply voltage of 5V is supported.



TECHNICAL SPECIFICATIONS

Receiver Type	65 parallel channels, L1 C/A code		
Accuracy	Position	5m CEP	
	Velocity	0.1m/sec	
Startup Time (average)	< 1sec hot start		
	< 30sec cold start		
Sensitivity	-155dBm Re-acquisition		
	-160dBm tracking	Signal Reacquisition	1s
	-147dBm Cold Start		
Update Rate	1Hz standard		
Dynamics	4G (39.2m/sec ²)		
Operational Limits	Altitude < 18,000m or velocity < 515m/s (COCOM limit, either may be exceeded but not both)		
Protocol	NMEA-0183 V3.01		
	GPGGA, GPGLL, GPGSA, GPGSV, GPRMC, GPVTG, GPZDA		
	4800/9600/19200/38400 baud, 8, N, 1 (The baudrate of production is 38400)		
Datum	Default WGS-84		
	User definable		
Interface	USB Specification 1.1/2.0		
Input Voltage	5V DC		
Input Current	<26mA for GPS tracking (1Hz standard version)		
Dimension	88.49mm L x 32.36mm W x 16.65mm H		
Weight:	50g (Including Battery)		
Operating Temperature	-40°C ~ +85°C		
Humidity	5% ~ 95%		



Binary Messages

See *Binary Message Protocol User's Guide* for detailed descriptions.

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