GT-740FL Sport LogBook

Fast Acquisition Enhanced Sensitivity
48 Channel USB GPS Receiver Dongle

The GT-740FL is a single board of USB-GPS receiver for customers who require easy system integration and minimal development risk.

The GT-740FL is optimized for good performance and low cost. The receiver continuously tracks all satellites in view and provides accurate satellite positioning data. Its 48 parallel channels and provide fast satellite signal acquisition and short startup time. Acquisition sensitivity of –147dBm and tracking sensitivity of –163dBm offers good navigation performance even in urban canyons having limited sky view..

The GT-740FL is capable of keeping up to 256K recordsor 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 SAGPS function and fixed in the short time.

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

FEATURES

- 48 track verification channels
- SIRF-IV low power chipset
- Tracking sensitivity -163dBm
- Acquisition sensitivity –147dBm
- Cold start < 34 seconds
- Accuracy 2.5m CEP
- Water resistant up to IPX6
- SBAS (WAAS, EGNOS) support
- Support SAGPS function
- 2M Bytes flash memory for data logging, with 16M-Bit binary data per record that stores up to 256K data records
- Data Logger & Photo Tracker function
- Compatible with Google Earth
- Data tag (start, stop point) can be set by user
- Ultra low power consumption: over 17/50 hours continuous use by 450mAh battery
- Built-in G-sensor with stand-by mode for 1500hours
- Dimension: 69.83x29.74x15.58mm

TECHNICAL SPECIFICATIONS

Receiver Type	48 parallel channels, L1 C/A code
Accuracy	Position 2.5m CEP Velocity 0.1m/sec
Startup Time (average)	< 34sec cold start
Sensitivity	-147dBm acquisition -163dBm tracking
Update Rate	1Hz standard (5Hz/10Hz special order)
Dynamics	4G (39.2m/sec2)
Serial Interface	USB
Protocol	NMEA-0183 V3.01 GPGGA, GPGLL, GPGSA, GPGSV, GPRMC, GPVTG, GPZDA 4800/9600/19200/38400 baud, 8, N, 1
Datum	Default WGS-84 User definable
LED Indicator	Blue - GPS / Datalogger status Red - Charging battery Green - Battery low
Input Voltage	5V DC
Input Current	Typical 26mA tracking (1Hz standard version) & ≦every 5 second to record point Typical 9mA tracking (1Hz standard version) & ≧every 10,20,30,,,ect. second to record point <200uA with stand-by mode(5 min no move)
Dimension	69.83mm L x 29.74mm W x 15.58mm H
Weight:	35g (Including Battery)
Operating Temperature	-10°C ~ +60°C
Humidity	5% ~ 95%

Binary Messages

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

CanMore Electronics Co., LTD.

No. 40, Chenggong 5th St., Jhubei City, Hsinchu County, 302, Taiwan

Phone +886 3 6586046
Fax +886 3 6583940
Email sales@canmore.com.tw
Website: http:// www.canmore.com.tw
http://canmorecorp.trustpass.alibaba.com/