

產品規格書

SPECIFICATION FOR APPROVAL

<b>Model Name:</b> GT-740FL-S	<b>Description:</b> Sport LogBook
<b>Product photos:</b> 	
<b>PRODUCT FEATURES:</b> <ul style="list-style-type: none"> <li>● 48 track verification channels</li> <li>● SIRF-IV low power chipset</li> <li>● Tracking sensitivity -163dBm</li> <li>● Acquisition sensitivity -147dBm</li> <li>● Cold start &lt; 34 seconds</li> <li>● Accuracy 2.5m CEP</li> <li>● Water resistant up to IPX6</li> <li>● SBAS (WAAS, EGNOS) support</li> <li>● Support SAGPS function</li> <li>● 2M Bytes flash memory for data logging, with 16M-Bit binary data per record that stores up to 256K data records</li> <li>● Data Logger &amp; Photo Tracker function</li> <li>● Compatible with Google Earth</li> <li>● Data tag (start, stop point) can be set by user</li> <li>● Ultra low power consumption: over 17/50 hours continuous use by 450mAh battery</li> <li>● Built-in G-sensor with stand-by mode for 1500hours</li> <li>● Dimension: 69.83x29.74x15.58m</li> </ul>	

## GT-740FL-S

### TECHNICAL SPECIFICATIONS

Receiver Type	48 parallel channels, L1 C/A code
Accuracy	Position 2.5m CEP Velocity 0.1m/sec
Startup Time (Average)	< 1sec hot start < 34sec cold start
Signal Reacquisition	1s
Sensitivity	-147dBm acquisition -163dBm tracking
Update Rate	1Hz standard (5Hz/10Hz special order)
Dynamics	4G (39.2m/sec <sup>2</sup> )
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) & $\leq$ every 5 second to record point Typical 9mA tracking (1Hz standard version) & $\geq$ every 6 second to record point
Dimension	69.83mm L x 29.74mm W x 15.58mm H
Weight	15g (Including Battery)
Operating Temperature	-40oC ~ +85oC
Humidity	5% ~ 95%



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The GT-740FL is a single board of USB GPS receiver for customers who require easy system integration and minimal development risk. The GT740FL 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  $-147\text{dBm}$  and tracking sensitivity of  $-63\text{dBm}$  offers good navigation performance even in urban canyons having limited sky view.

The GT-740FL is capable of keeping up to 256K 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 SAGPS function and fixed in the short time. USB interface are provided on the interface connector. Supply voltage of 5V is supported.