



# PS2 GPS Receiver Series

## Model:GT-3721F



# DataSheet

**UniTraQ International Corp. All right reserved, © 2009**  
2F., No.136, Ziqiang S. Rd., Zhubei City, Hsinchu County 30264, Taiwan (R.O.C.)  
TEL : 886-3-6578491 FAX : 886-3-6578492

MADE IN TAIWAN



## GT-3721F

Fast Acquisition Enhanced Sensitivity  
65 Channels PS2 Interface GPS Receiver

### 1. FEATURES

- 65 channels to acquire and track satellites simultaneously
- Industry-leading TTFF speed
- Signal detection better than -158 dBm
- SBAS (WAAS/EGNOS) capable
- Selectable User Profiles with ability to change and save configuration to Flash
- Cold start < 45sec
- Hot start < 1sec
- Accuracy 5m CEP
- RS232 signal output via 6-pin PS2 connector.
- 49.8 mm x 43.7 mm x 17.6 mm
- RoHS compliance

The **GT-3721F** is a compact all-in-one GPS receiver that continuously tracks all satellites in view and provides accurate satellite positioning data.

Its 65 parallel channels and 20000+ correlators provide fast satellite signal acquisition and short start-up time. Acquisition sensitivity of -155dBm and tracking sensitivity of -158 dBm offer good performance even under difficult environments.

The **GT-3721F** is optimized for applications requiring good performance and low cost; it is suitable for a wide range of handhelds, asset tracking, Notebook, PDA-centric personal navigation system, and vehicle navigation products.

## 2. SPECIFICATIONS

Parameter	Specification
Receiver Type	65 channels
Re-acquisition sensitivity	-155dBm
Tracking sensitivity	-158dBm
Cold start sensitivity	-137dBm
Receiver frequency	1575.42MHz
Code	C/A code
Accuracy (1) Position (2) Velocity	5m CEP 0.1m/sec
Startup Time hot start warm start cold start	< 1 sec < 35 sec < 45 sec
Signal Reacquisition	<1s
Update Rate	1Hz
Operational Limits (1) Altitude (2) velocity	< 18,000m < 500m/s
Dynamics	4G (39.2m/sec <sup>2</sup> )
Datum	WGS-84
Protocol	NMEA-0183 V3.01
Serial Interface	RS232 signal output via PS2 connector.
Input Voltage	+3.0V to +5.5V
Power Consumption	180mW
Connector	6 pins PS2 connector with 1.8M cable



## **UniTraQ International Corp**

2F., No.136, Ziqiang S. Rd., Zhubei City, Hsinchu County 30264, Taiwan (R.O.C.)

TEL : 886-3-6578491      FAX : 886-3-6578492

Email [support@unitraq.com](mailto:support@unitraq.com)

Website [www.unitraq.com](http://www.unitraq.com)

### **© 2009 UniTraQ International Corp. All rights reserved.**

Not to be reproduced in whole or part for any purpose without written permission of UniTraQ International Corp ("UniTraQ"). Information provided by UniTraQ is believed to be accurate and reliable. These materials are provided by UniTraQ as a service to its customers and may be used for informational purposes only. UniTraQ assumes no responsibility for errors or omissions in these materials, nor for its use. UniTraQ reserves the right to change specification at any time without notice.

These materials are provided "as is" without warranty of any kind, either expressed or implied, relating to sale and/or use of UniTraQ products including liability or warranties relating to fitness for a particular purpose, consequential or incidental damages, merchantability, or infringement of any patent, copyright or other intellectual property right. UniTraQ further does not warrant the accuracy or completeness of the information, text, graphics or other items contained within these materials. UniTraQ shall not be liable for any special, indirect, incidental, or consequential damages, including without limitation, lost revenues or lost profits, which may result from the use of these materials.

UniTraQ products are not intended for use in medical, life-support devices, or applications involving potential risk of death, personal injury, or severe property damage in case of failure of the product.

**All of products designed and produced in Taiwan, and RoHS compliance**