GPS MOUSE

RGM-2000



Introduction

This integrated GPS receiver can tell you your exact location in less than 60 seconds.It just needs little power .The Sapphire RGM2000 is the most advanced integrated Global Positioning Satellite Antenna and Receiver in the world. Its enormous technology profile is counter - balanced by its ultra-small size.Yet, it can interface with computers, PDA's and autom obiles; turning products with the appropriate software into mobile navigation systems.

When positioned to view GPS satellites,the Sapphire RGM2000 typically requires less than a minute to initiate its position and instantaneously reacquires its position after an interruption in signal.The Sapphire RGM2000 was designed to bring truly accurate and mobile navigation guidance for in-vehicle and recreational consumers and markets. This integrated GPS receiver is ideal for many applications where you need to input a GPS tracking signal into a portable computing device.

Features

- Compact size
- Twelve parallel channels
- Built-in active antenna
- Super-cohesive magnetic for installation
- High sensitivity to satellite signal
- Apply to any devices with nine-pin COM port & PS2 (notebook PC or handheld PC)
- Support to many kinds of PDA or notebooks.
- Total Solution for customers
- Customization

Applications

- Automotive and Marine Navigation
- Automotive Vehicle Tracking
- Emergency Locator
- Geographic Surveying
- Personal Positioning
- Sporting and Recreation

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RGM-2000 spec.

General		
	Frequency	L1, 1575.42MHz
	C/A code	1.023MHz chip rate
	Channels	12
Acquisition time		
	Reacquisition	0.1 sec., average
	Snap start	3 sec., average
	Hot start	8 sec., average
	Warm start	38sec., average
	Cold start	45sec., average
Accuracy		
	Position	25mA CEP without SA
	Velocity	0.1 m/s without SA
WAAS		
	Supports WAAS	
Dynamic conditions		
	Altitude	18,000 meters (6000 feet) max.
	Velocity	515 m/s (1000 knots) max.
	Acceleration	4g., max.
	Jerk	20 m/s max.
Datum		
	WGS-84	
Power		
	Voltages	5V±5%.
	Currents	180mA typical 200mA max.
SRAM backup power		
	Lithium-Ion	
	Battery life	≧4days for 80% charge.
Protocol		
	NMEA 2.2 GGA, GSA, GSV and RMC. Baud rate 4800bps.	
Navigation update rate		
	1Hz	
Physical characteristics		
	Dimension	50mm x 62mm x 28mm
	Weight	30g
Environment		
	Operating temperature	0 ~ +70℃
	Storage temperature	-40 ~ +85℃
	Humidity	≦95%

Accessory

Cable for PDA with car adapter

- iPAQ 36/37 series
- iPAQ 38 series
- HP Jornada 540/560
- Casio e125/200/500

Cable for notebook

- USB type
- RS-232 type

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Specifications are preliminary and subject to change without notice.
The final specifications would be based on mutual agreed.