



iGPS-M Pro is a high sensitivity personal GPS receiver . Its excellent performance easily conquers the most difficult tasks. In addition, it provides various functions to meet customers' personal needs.

iGPS-M Pro employs powerful GPS receiver chipset solution. It provides marvelous navigation performance under dynamic conditions in areas with limited sky view like urban canyons . It also has high sensitivity for weak signal operation without compromising accuracy.

**Application :**

- Mapping devices for PC & Pocket PC
- Personal Navigation or touring devices.
- AVL and Location-Based service system.
- Data logging for marine Navigation.
- Tracking devices/system.
- Mileage Management.
- Fleet Management.
- Car Navigation.



GPS Technology	MTK 51 channels
Sensitivity	-158 dBm (tracking)
Update Rate	1Hz
Accuracy	Position: Without aid: 3.0 m 2DRMS , < 3m CEP(50%) without SA
	Velocity: Without aid: 0.1 m/s
	Time: 50ns RMS
Acquisition Time (Cold/Warm/Hot Start)	36/33/1 sec
Reacquisition	1 sec
Dynamics	Altitude: 18000m max.
	Velocity: 515m/sec
	Vibration: 4G max.
DGPS	WAAS, EGNOS Enable
Operating Temperature	-30°C to +85°C
Storage Temperature	-45°C to +90°C
Operating Humidity	5% to 95% non condensing
Primary Power	+5V~7.5V DC
Power Consumption	200mW @3.0V
Interface	PS2 or USB
Protocol	NMEA 0183 v3.01, default 9600 bps
Antenna	Internal passive antenna
NMEA Message	GGA, GLL, GSA, GSV, RMC, and VTG
Dimension	64 (L) x 57 (W) x 16mm (H)

Specifications subject to change without prior notice.



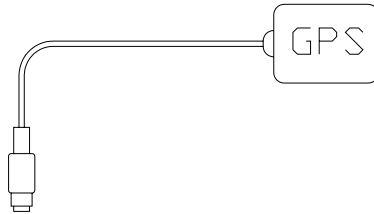
**TRANSYSTEM INC.**

An A+ supplier of RF microwave & GPS products

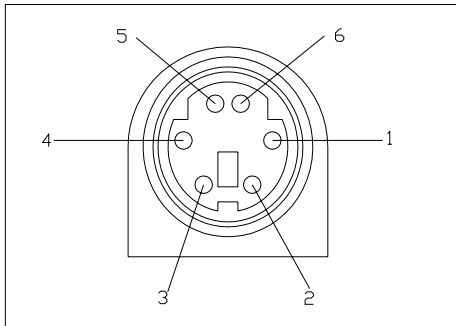
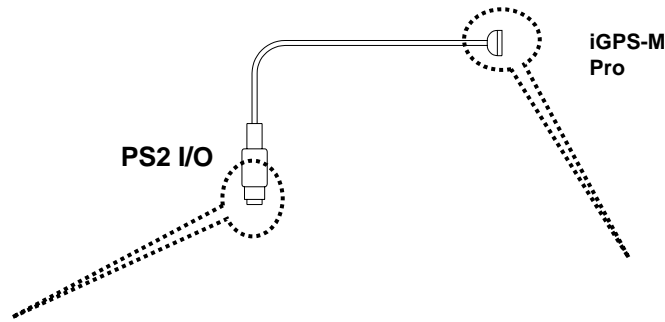
Rev 1.2

## Interface :

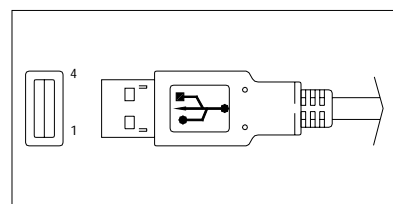
### 1. PS2 female interface



#### 1.1 PS2 female cable definition



### 2. USB interface



Pin	Signal Name	
	RS-232	RS-232+TTL
1	RS232 TX	RS232 TX
2	+5VDC	+5VDC
3	NC	TX TTL
4	Ground	Ground
5	1PPS (optional)	RX TTL
6	RS232 RX	RS232 RX