

G mouse UG-3300P



Data Sheet

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11F-7, No.432, Sec.1, Keelung Rd., Taipei, Taiwan, R.O.C.

TEL : 886-2-27588816 FAX : 886-2-27582006

MADE IN TAIWAN

RoHS compliance:



FEATURES

- 16 channels to acquire and track satellites simultaneously
- PS2 cable Built-in patch antenna, 6 pins wafer connector RS232/TTL output
- Industry-leading TTFF speed
- -140dBm acquisition sensitivity
- -155dBm tracking sensitivity
- Selectable User Profiles with ability to change and save configuration to Flash
- SBAS (WAAS/EGNOS) capable
- Power Consumption <45mA
- Cold start < 60sec under open sky
Hot start < 5sec under open sky

UG-3300P (PS2 cable)

Ultra-high sensitivity 16 channels receiver

The **UG-3300P** is a compact all-in-one GPS receiver that continuously tracks all satellites in view and provides accurate satellite positioning data.

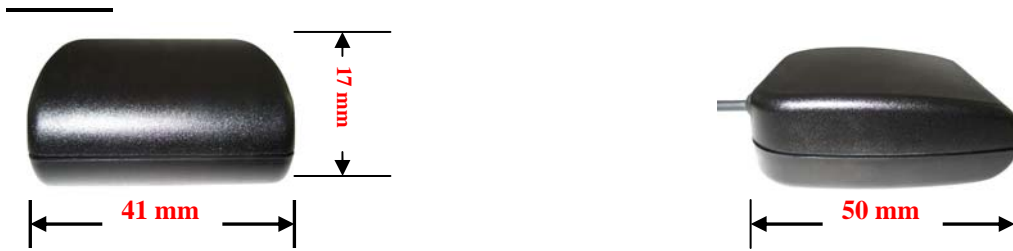
Incorporating the high GPS technology, **UG-3300P** with acquiring 16 channels ability improving cold-start fast positioning. It can track 16 channels down to 155 dBm and offers extremely accuracy even under attenuated situations such as high buildings in urban areas, dense foliage and even indoor. Satellite-based augmentation systems, such as WAAS and EGNOS, are supported to yield improved accuracy.

The **Ug-3300P** is optimized for applications requiring high 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.

TECHNICAL SPECIFICATIONS

Receiver Type	16 parallel channels, C/A code(1.023 MHz chip rate)
Accuracy	Position 5m CEP Velocity 0.1m/sec Timing better than1 μ s
Startup Time	< 5sec Hot Start < 10sec Warm Start < 60sec Cold Start
Signal Reacquisition	1s
Sensitivity	-140dBm acquisition -155dBm tracking
Dynamics	5G
Operational Limits	Altitude < 18,000m or Velocity 500m/sec (COCOM limit, either may be exceeded but not both)
Protocol	NMEA-0183, ver. 3.01 4800 baud, 8 N 1 (optional)
Datum	Default WGS-84 User definable
Serial Interface	LVTTL Level and RS-232 Level
RF Connector	N/A
Interface Connector	PS2
Power Supply	3.3V +/- 100mV or 3.8V ~ 8.0V (5V version)
Power Consumption	<45mA
Operating Temperature	-40°C ~ 85°C
Dimension	50mmLx41mmWx17mmH
Weight	20gmax

Mechanic Dimension



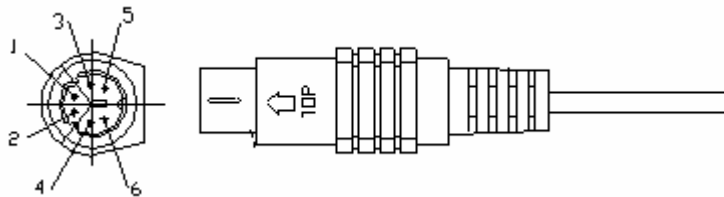
Housing

- Water Proof : IP65

STANDARD PACKAGE

- Ug-3300P Mini-DIN GPS Receiver
- Standard OEM Package

MINI-DIN PIN ASSIGNMENT



Pin	Function
1	GND
2	VCC
3	NC
4	RX
5	TX
6	NC

Customization Package

- Color Box
- User guide CD (including User Manuals; Driver for USB adaptor; GPS viewer testing program)

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