

Blumax Bluetooth GPS-4013 Receiver, 66 Channels



Notice

Blumax Bluetooth GPS-4013 Receiver is well suited to system integrations including PDA, smart phone, Tablet PC and Notebook PC with Bluetooth devices. It can satisfy a wide variety of applications such as PDA and smart phone navigation, automotive vehicle tracking, personal positioning and sporting. With the dimension of 72.2(L) x 46.5(W) x 20(H) mm and weight only 64.7g (w/ battery), Blumax Bluetooth GPS-4013 Receiver is an ideal solution to carry along everywhere.

Features:

- Semi indoor fixed
- AGPS available
- 66 channels Bluetooth GPS
- Smart Power Save Mechanism
- Fuzzy Auto On/Off
- Support G-Mouse

General	
Chipset	MTK MT3329
Frequency	L1,1575.42 MHz
C/A Code	1.023 MHz
Channels	66
DGPS	WAAS, EGNOS, MSAS
Datum	WGS 84
CPU	ARM7TDMI
Performance Characteristics	
Position Accuracy	Without aid: 3.0 m 2D-RMS < 3 m CEP (50 %) without SA (horizontal)
	DGPS (WAAS, EGNOS, MSAS): 2.5 m
Velocity Accuracy	Without aid: 0.1 m/s DGPS (WAAS, EGNOS, MSAS): 0.05 m/s
Acceleration	Without aid: < 4 g DGPS (WAAS, EGNOS, MSAS): < 4 g
Timing Accuracy	50 ns RMS
Reacquisition Time	< 1 s
Hot start	1.5 s
Warm start	34 s
Cold start	35 s

AGPS	< 15 s
Sensitivity	Acquisition: -148 dBm Max. Tracking: -165 dBm Max.
Update	1 Hz ~ 5 Hz
Dynamic	
Altitude	Maximum 18,000 m
Velocity	Maximum 515 m/s
Acceleration	Maximum 4 g
Power	
Input Voltage	Vin: DC 5.0 V ± 10 %
Battery	Rechargeable Lithium battery
Protocols	
GPS Output Data	Baud rate 115200 bps, Data bit: 8, Stop bit: 1 (Default)
NMEA	NMEA 0183 v3.01 Default: GGA, GSA, GSV, RMC
Environment	
Operating Temperature	-10 ~ 60°C
Storage Temperature	-20 ~ 60°C
Charging	0 ~ 45°C
Bluetooth	
Standard	Fully compliant with Bluetooth V1.2
Output Power	0 dBm (Typical), ClassII
Range	Over 10 meters
Bluetooth Profile	Serial Port Profile (SPP)
Frequency	2.4 G ~ 2.4835 GHz ISM Band
Security	Yes
Physical Characteristics	
Dimension	46.5 x 72.2 x 20 mm
Weight	64.7 g

Contents:

- 1.1x Blumax GPS Receiver
- 2.1x Li-ion rechargeable Battery
- 3.1x Car charger
- 4.1x CD-ROM (Manual+Software)
- 5.1x USB to mini-USB cable

