



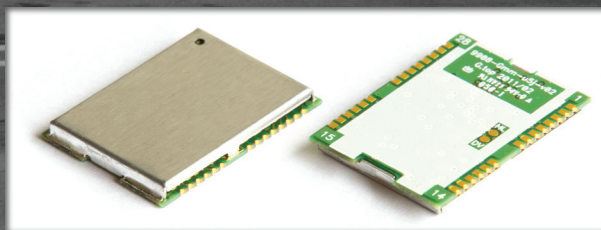
# Enhance Theft Protection for with Jamming Detect **Gmm-u5j** GPS Module

*u*

Your GPS tracked car was parked here  
... it was stolen without much effort

## Know before it happens.

Protect your assets against GPS jammers with **Anti-JACK™** technology,  
available exclusively on GlobalTop's **Gmm-u5j** GPS module.



### **Anti-J.A.C.K™** Anti-Jamming **A**ssessment **C**ommand Feedback**K**

- GPS Jammer Detection and Report allows for Double the Protection using:
  1. Customized NMEA Sting (eg. send warning message to MCU or cellular radio)
  2. Hardware Voltage Level Pin-out (eg. directly activate connected alarm or siren)
- Two Levels of Adjustable Jammer Sensitivity with Four Different Modes
- Special Power Saving Mode for GPS Jammer Detection

\* Ultra low power version without Anti-J.A.C.K. is also available. (Gmm-u5LP)



#### Antenna Advisor

Intelligent Antenna Reporting System  
Open Circuit Detection & Notification  
Short Circuit Protection & Notification



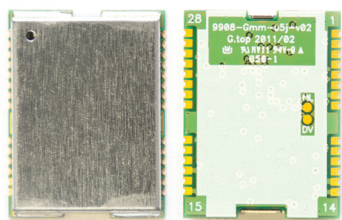
#### Ultra High Sensitivity

High Reception Performance  
Tracking: -165 dBm  
Acquisition: -148 dBm



#### Software Customization

support custom-made firmware:  
Features Including Geofencing,  
AGPS and many more....



GPS Solution	MTK MT3329
Frequency	L1, 1575.42 MHz
Sensitivity	Acquisition (Cold Start) -148 dBm Tracking: -165 dBm
Channel	66 Channels
TTFF	Hot Start: 1 second typical Cold Start: 35 seconds typical
Position Accuracy	Without aid: 3.0 m 2D-RMS DGPS: 2.5 m 2D-RMS
Timing Accuracy	100 ns RMS (1PPS)
Altitude	Max 18,000 m or 60,000 feet or unrestricted
Interface	1 UART (TTL), 1 USB, Adjustable Baud-rate
Update Rate	1 to 10 Hz

DGPS  
AGPS  
Power Supply

Current Consumption

Working Temperature  
Dimension

SBAS (WAAS, EGNOS, MSAS, GAGAN)  
Supported  
VCC: 3.0 to 3.6 V  
VBackup: 2.0 to 4.3V  
Acquisition 33 mA typical  
Tracking: 26 mA typical  
-40 to +85 C  
22.4 x 17 x 2.2 mm

#### Anti-JACK Specification:

Jamming Sensitivity	-50 dBm or -40 dBm
Jamming Power Supply	VCC: 2.5 to 3.3 V
Jamming Consumption	16 mA (operating)

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**MEDIA**TEK

