

# What A Breakthrough!!

## Further 20% Power Saving



**BEIDOU+GPS**



**GLONASS+GPS**

GlobalTop introduces Beidou and GLONASS dual system receiver modules –Gms-b6 for GPS+Beidou and Gms-g6 for GPS+GLONASS utilize MediaTek’s new generation GNSS chipset “MT3333” supporting various location and navigation applications including autonomous GPS, GLONASS, GALILEO (on request), QZSS, SBAS, DGPS (RTCM) and AGPS. Gms-b6 and Gms-g6 are equipped with high profile power-conservation circuit cutting down overall power consumption further with which Gms-g6 module realizes 20% greater power saving comparing to the previous generation of GPS+GLONASS modules!

Please contact our Sales representative for more information at [sales@gtop-tech.com](mailto:sales@gtop-tech.com)

	GPS+Beidou	GPS+GLONASS
<b>Dual System</b>	<b>Gms-b6</b>	<b>Gms-g6</b>
<b>99 Channels</b>		
GNSS Solution	MTK MT3333	
Frequency	Beidou-2 L1, 1561.098MHz GPS L1, 1575.42MHz	GLONASS L1, 1598.0625~1605.375MHz GPS L1, 1575.42MHz
Current Consumption	GPS+Beidou-2 29mA acquisition@3.3V 23mA tracking@3.3V	GPS+Glonass 29mA acquisition@3.3V 23mA tracking@3.3V
Sensitivity	Acquisition: -148dBm (GPS) Tracking: -165dBm (GPS)	
Position Accuracy	Without aid: 3.0m (50% CEP) DGPS (SBAS(WAAS,EGNOS,MSAS)): 2.5m (50% CEP) Cold start: <35 seconds (typical)	
TTF(TIME TO FIRST FIX)	Warm start: <33 seconds (typical) Hot start: <1 second (typical)	
Time Accuracy (PPS)	±10 ns	
DGPS	SBAS (default) [QZSS,WAAS, EGNOS, MSAS]	
AGPS	Supported (Offline Mode & Host Aiding Mode)	
Interface	2 x UART	
Power Supply	VCC: 3.0V to 4.3V; VBACKUP: 2.0V to 4.3V	
Antenna Type	Built-in patch antenna	
Working Temperature	-40 °C to +85 °C	
Dimension	16 x 16 x 6.8 mm (SMD)	

A full range of GlobalTop’s advanced software customization services are supported

### Advanced Features

AlwaysLocate™ | EASY™ | EPO™ | 12 Multi-tone Active Interference Canceller  
Logger function | Power Saving Optimization

