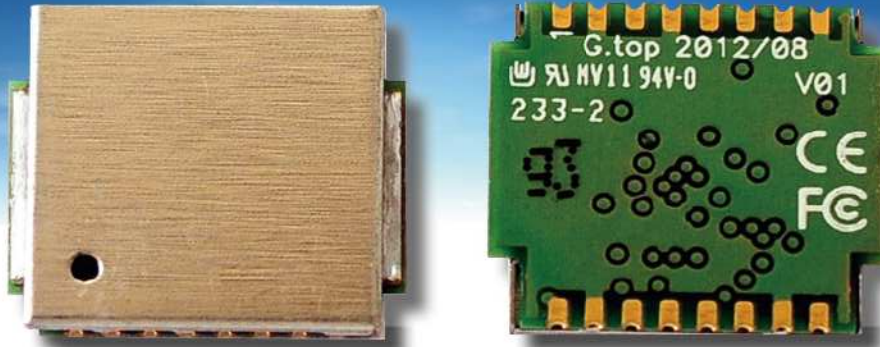


Power Performance comes with Dual Systems



Synchronously receiving dual systems GPS+Glonass enhances performance even in poor working conditions. Dual system modules bring double power performance!

The GlobalTop Gmm-g3 module utilizes 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. Up to 210 PRN channels with 99 search channels and 33 simultaneous tracking channels are supported.

This chipset has the industry's highest level of sensitivity (-165dBm) as well as instant Time-to-First Fix (TTFF). It also combines many advanced features including AlwaysLocate™, EASY™, EPO™ and logger function.

Features:

Dimension:	11.5 x 13 x 2.1 mm, SMD type
GNSS Solution:	MTK MT3333, 99 Channels
Frequency:	GPS L1, 1575.42MHz GLONASS L1, 1598.0625~1605.375MHz GALILEO E1, 1575.42MHz
Sensitivity:	Acquisition -148 dBm Tracking -165 dBm
Position Accuracy:	Without aid: 3.0 m (50% CEP) DGPS (SBAS(WAAS,EGNOS,MSAS)): 2.5 m (50% CEP)
TTFF (Time to First Fix):	Cold Start: <35 Seconds (Typical) Warm Start: <33 Seconds (Typical) Hot Start: <1 Seconds (Typical)
Timing Accuracy (1PPS Output):	±10 ns RMS
Protocol:	NMEA 0183, MTK Command
DGPS:	SBAS(default) [QZSS,WAAS, EGNOS, MSAS,GAGAN]
AGPS:	Supported (Offline Mode)
Interface:	2 UART
Power Supply:	VCC: 3.0 V to 4.3 V VBACKUP: 2.0 V to 4.3 V
Current Consumption:	Acquisition: 35mA Tracking: 29mA
Working Temperature:	-40 °C to +85 °C

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