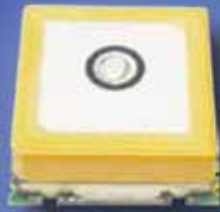


What A Breakthrough!!

Further 20% Power Saving



BEIDOU+GPS



GLONASS+GPS

POXA introduces Beidou and GLONASS dual system receiver modules – POXA1328-012 for GPS + Beidou and POXA1328-013 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. POXA1328-012 and POXA1328-013 are equipped with high profile power-conservation circuit cutting down overall power consumption further with which POXA1328-013 module realizes 20% greater power saving comparing to the previous generation of GPS + GLONASS modules!

	GPS+Beidou	GPS+GLONASS
Dual System	POXA1328-012	POXA1328-013
99 Channels		
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)	
TTF(Time to First Fix)	Cold start: <35 seconds (typical) 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 16x 6.8 mm (SMD)	

Advanced Features

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

For more information, please call Kim Overballe at +45 46 900 525 or k.overballe@acte.dk