

Welcome to the POXA range of innovative GNSS (GPS, GLONASS, COMPASS / Bei-Dou / BDS) receiver modules from ACTE.

The POXA range of GNSS receiver modules are designed for rapid implementation into location-aware devices.

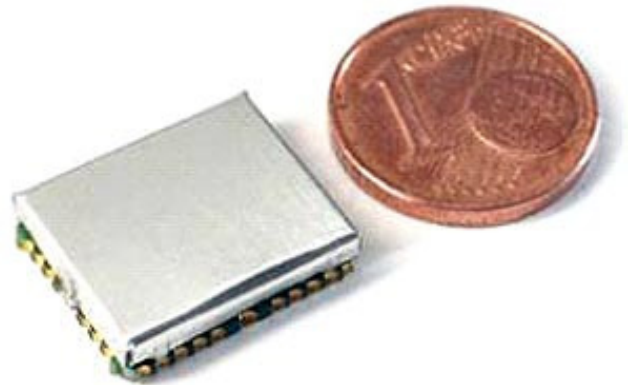
Available in both Standalone Receiver and Antenna Module format, each with additional features optimised for a broad range of applications.

All POXA modules are based upon leading-edge chipsets from MediaTek, one of the world's outstanding SoC and IC design companies for wireless connectivity.

The POXA range offers superb performance, excellent quality and great value; whilst we firmly believe that our high levels of service and support are the keys to our client's successful integration.

GPS Standalone Modules

GPS standalone Modules have a small footprint and come with a variety of interface options making them simple to implement into embedded applications.



GPS Antenna Modules



GPS antenna Modules are all-in-one solutions that contain a pre-tuned antenna and are ideal for system designers who want to integrate GPS functionality without worrying about antenna tuning and circuit design.

All devices feature:

- 3D-Fix hardware output signal & 1-PPS output signal
- A-GPS capability
- AlwaysLocate™ - Advanced power saving "Periodic Mode"
- EASY™ - Self-Generated Orbit Prediction for instant positioning fix
- Embedded Logger facility (except 1328-011)

GPS Module Range Overview:

Type	Model	Chipset	Size	Power		Interfaces	
			(mm)	Acquisition	Tracking	UART	Others
				(mA)	(mA)		
Standalone	POXA1328-001	MT3333	11.5x13x2.1	35	29	2 TTL	Antenna decoupling
	POXA1328-002	MT3339	9x12.7x2.1	19	15	2 TTL	
	POXA1328-003	MT3339	11.5x13x2.1	25	20	2 TTL	Antenna decoupling
	POXA1328-011	MT3337	9.70x10x2.1	19	15	2 TTL	3.3v or 1.8v power input
Patch Antenna	POXA1328-006	MT3339	16x16x4.7	29	23	1 TTL	
	POXA1328-007	MT3339	16x16x6.2	25	20	1 TTL	
	POXA1328-012	MT3333	16x16x6.8	25	20	2 TTL	SMPS 3.0 to 4.3V _{cc} Supply
	POXA1328-013	MT3333	16x16x6.8	29	23	2 TTL	SMPS 3.0 to 4.3V _{cc} Supply
	POXA1328-014	MT3339	22x22x7.7	25	20	1 TTL	
Chip Antenna	POXA1328-009	MT3333	16x16x2.1	35	29	1 TTL	

GPS Module Range Features:

Type	Model	Antenna Features				Additional Features	
		External Antenna	Patch Antenna	Chip Antenna	Antenna Advisor	D-GPS (RTCM)	Other
Standalone	POXA1328-001	√				√	GLONASS Support
	POXA1328-002	√				√	Timer Output
	POXA1328-003	√					
	POXA1328-011	√					"AlwaysLocate" (only)
Patch Antenna	POXA1328-006		15 x 15 x 2.5mm		√	√	Auto antenna switching
	POXA1328-007		15 x 15 x 4mm				
	POXA1328-012		15 x 15 x 4mm				BDS/COMPASS Support
	POXA1328-013		15 x 15 x 4mm				GLONASS Support
	POXA1328-014		15 x 15 x 4mm				Compatible with UP501
Chip Antenna	POXA1328-009			√			GLONASS Support

For further information contact ACTE UK