

MM111AM

Standard precision GNSS module



The MM111AM is a professional GNSS module developed by MXGNSS for standard precision markets. It supports both BDS and GPS constellation with fully independent intellectual property rights. The product stands out for its robust anti-jamming capabilities, low power consumption with small size, widely used in global positioning markets.

Technical Features

- Low power consumption design
- Supporting BDS/ GPS combined positioning
- High sensitiving design
- Fully support for Beidou-3 satellites
- Smart - Suppress anti-jamming technology
- Mainstream package size16x12mm

Specifications

Power Supply	
Voltage	3.0V~ 3.6V
RF input	
Signal Tracking	BDS B1I
	GPS L1C/A
Physical	
Package	24-PIN SMD
	16x12.2x2.4mm
I/O Data Interface	
UART	Default 9600bps
GNSS Performance	
TTFF	Cold Starts: ≤32s
	Hot Starts: ≤1s
Position Accuracy	2.5m
Velocity Accuracy	0.1m/s
Sensitivity	Tracking: -165dBm
	Acquisition: -147dBm

Timing Mode	Real-time positioning
	Fixed- point optimization□User Fixed-point
1PPS Accuracy	50ns
Nav. Update Rate	1HZ(Default)
Nav. Data Format	NMEA 0183 V4.1

Application Fields



Assets tracker



Vehicle navigation



Persional tracker