


Standalone GPS Smart Antenna Module

Manufacturer:	LOCOSYS Technology Inc
Package/Case:	BGA
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 



Images are for reference only

[Inquiry](#)

General Description

LS2003C is a complete standalone GPS smart antenna module, including embedded patch antenna and GPS receiver circuits. The module's functionality is using MediaTek All-in-One GPS chip, MT3339, and it acquires a lot of satellites at a time while providing fast time-to-first-fix and low power consumption. Besides, it can provide you with superior sensitivity and performance even in urban canyon and dense foliage environment.

Key Features

Easy to install (SMT process capable).

MediaTek high sensitivity solution.

Support 66-channel GPS.

Ultra low power consumption.

Fast TTFF at low signal level.

Built-in 12 multi-tone active interference canceller.

Free hybrid ephemeris prediction to achieve faster cold start.

Built-in data logger.

Built-in DC/DC converter to save power.

Allow direct connection with the lithium battery.

Up to 10 Hz update rate.

± 11ns high accuracy time pulse (1PPS).

Capable of SBAS (WAAS, EGNOS, MSAS, GAGAN).

Support Japan QZSS.

Indoor and outdoor multi-path detection and compensation.

RoHS compliant.

Application

Personal positioning and navigation

Automotive navigation

Marine navigation

Weather balloon

Recommended For You
