

GTS-4E-60 GPS Module

Perfect Wireless Connection



FIBOCOM GTS-4E family is specially designed for the application of M2M technology. It is a high-performance GPS receiver with a design based on the SIRF-IV chip. GTS-4E adopts specialized high-performance structure and has 48 parallel channels and higher sensitivity. Meanwhile, the module is of extremely compact structure and small-sized volume. Under the same chip specification, it has faster signal acquisition capacity, lower power consumption, stronger anti-interference performance and broader operating voltage range.

FIBOCOM GTS-4E meets industrial-grade demands. It adopts SMT package and can adapt to severe working environments with high temperatures, high humidity, and electromagnetic interference. The compact volume of GTS-4E makes it extremely suitable for GPS terminals of strict size and cost demands, such as personal entertainment and navigation devices and vehicle tracking devices.

The SiRFLive tool provided for free by Fibocom is a graphical interface platform for learning, evaluation and diagnosis of modules. It has simplified the development work of engineers and greatly reduced the development cycle.

Features

- Average Current: 33mA
- Operating Voltage: 2.7~5.5V
- Channel: 48
- Capture Sensitivity: -147dB
- Tracking Sensitivity: -161dB
- Operating Temperature: -40 ~ 85°C
- Hot start: <1s
- Cold start: <35s
- Size: 16.0 x 12.2 x 2.6mm
- RoHS compliant



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GTS-4E-60 GPS Module Technical Specifications

Parameter	Description	Performance			
		Min	typical	Max	unit
Horizon Location Accuracy	Auto	–	<2.5	–	m
Velocity Accuracy	Velocity	–	<0.1	–	m/s
	Heading	–	<0.1	–	°
Time-to-first-fix	Hot Start: Auto	–	<1	–	s
	Warm Start: Auto	–	<35	–	s
	Cold Start: Auto	–	<35	–	s
Sensitivity	Auto Capture	–	-147	–	dB
	Tracking	–	-161	–	dB
	Navigation	–	-161	–	dB
Receiver	L1, CA code track	–	–	–	–
	Channel	–	48	–	–
	Update Rate	–	–	1	Hz
	Velocity	–	–	<1000	knot
	Support protocol: NMEA, OSP	–	–	–	–