



GPS Module

Delivering seamless mobility to the M2M world



- A-GPS
- Autonomous
- SIRF Technology
- LGA Package
- 12 Channel GPS Receiver
- Ultra Compact Size
- RoHS

A great solution for you: GPS Module + G24 Wireless Module

Motorola has gone one better for the M2M world: Now you can bind Motorola's GPS module with a same form-factor GSM module of your choice: G24-Dual, G24-Quad, G24-Edge, G24-Lite or G24-Java, to create the solution that will serve your needs. Combining the wireless brain with GPS increases your flexibility in design while significantly reducing cost in comparison to other GPS options. The Motorola GPS and GSM solution will help you create cutting edge devices for fleet management, asset tracking and other location-based wireless needs.

The best offer in the market.

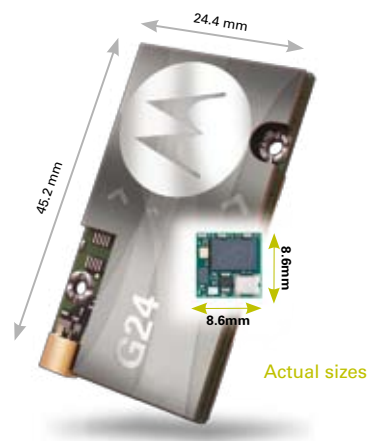
The compact size of this new Motorola bundle gives you the benefit of easy design, with the best GPS performance thanks to the SiRF technology. Choosing Motorola components ensures getting the best product available, from an established company that will be around when you need service or assistance. We also grant you a reference design board specially designed to work in a cellular environment.

We care about your pocket.

The GPS+G24 combo is the most cost effective solution of its kind on the market. Motorola's products are market-leading in terms of quality so your clients will be receiving top quality components at a better price.

G24-JAVA

Concerned about the design effort cost, or about the need to add additional intelligence component (CPU) and the time it consumes? The G24-Java module enables you to manage your GPS solutions faster and more easily, using the standard location API. This solution is ideal for asset tracking and fleet management applications.



G24-Lite

Looking for the best value for money offer in town? Our Lite solution gives you GPS with the advantage of a reliable G24 module. You get a low cost solution while benefiting from Motorola's renowned commitment to quality. Perfect for tracking and fleet management applications.

G24-Edge

Planning on taking the advantage of the growing EDGE technology to use the high data rates it offers? Does your application need data rates for other applications besides the GPS? The G24 EDGE combined with the GPS module is your perfect choice.

Experience that makes a difference.

80 years in the business gives Motorola knowledge and skill to bring novelty to the industry. We've proven our commitment time and again by developing patented innovations, working with clients to assist them in every step of their process. We work with you to discover the product that you need and help you reach the maximum end result for your clients.

GPS Product Specifications

Product Features

- Attractive size 8.6 x 8.6 x 1.55mm
- Fast GPS signal search capabilities of the SiRF GSCi-5000 architecture
- Performs Autonomous, MS-Based or MS-Assisted A-GPS
- Support passive and active antenna structure
- Motorola reference design available
- Single shot acquisition modes for low power periodic fixes
- Two saw filters
- One LNA IC
- Multi-Bit A/D for improved multipath performance
- Selectable Baud rates & NMEA output
- RoHS compliant
- SMD

Environmental

- Storage Temperature -40°C to +85°C
- Operating Temperature -20°C to +85°C

Performance

- Cold Start TTFF: < 60s
- Warm Start TTFF: <45s
- Hot Start TTFF: <10s
- Acquisition sensitivity: -142 dBm
- Tracking sensitivity: -154 dBm

Receiver

- Tracking L1, CA Code
- 12 Channels
- Max update rate 1 Hz
- Max altitude/velocity <60,000 ft/<1,000 knots
- Protocol support SiRF Instant Binary, NMEA

Typical Power Consumption

- Continuous Autonomous operation 80mW
- Acquisition 145mW
- Trickle Power 40mW
- Sleep mode Power 45µW

Package

- 32 pin LGA package with center ground pad
- 8.6 x 8.6 x 1.55mm
- Delivered on tape and reel

For more information contact us at: M2M.Sales@motorola.com



www.motorola.com/m2m



MOTOROLA

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