GPS Module - Copernicus II (12 Channel)

**DESCRIPTION**

Copernicus II is the latest iteration of the popular Copernicus GPS module from Trimble. The Trimble Copernicus II delivers proven performance and Trimble quality for a new generation of position-enabled products. It features the TrimCore™ navigation software for extremely fast startup times and high performance in foliage canopy and urban canyon environments. Also, the Copernicus II is compatible with all applications using the previous generation of Copernicus module. Not sure which GPS module is right for you? Check out our GPS Buying Guide!

**FEATURES**

- Replaces: GPS-10922

**Tags**

- 12 Channel
- GPS
- GPS Module
- Copernicus II

**REVIEWS**

Currently viewing all customer reviews.

**5 out of 5**

Based on 1 ratings:

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<th>Rating</th>
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Currently viewing all customer reviews.

This module works well. The documentation is good, the reference design works well and it is easy to talk to. I have used this module in 2 different designs and in no way do I add GPS to a project. If you use a coin battery, use the biggest one you can. Initially, I used some 30MAH coin cells and the battery only lasted a month or two. The 230MAH batteries that I replaced it with are doing fine a year later.

**SKILLS NEEDED**

**Core Skill: Soldering**

This skill defines how difficult the soldering is on a particular product. It might be a couple simple solder joints, or require special reflow tools.

- **Skill Level:** Competent - You will encounter surface mount components and basic SMD soldering techniques are required.

**Core Skill: Programming**

If a board needs code or communicates somehow, you’re going to need to know how to program or interface with it. The programming skill is all about communication and code.

- **Skill Level:** Rookie - You will need a better fundamental understand of what code is, and how it works. You will be using beginner-level software and development tools like Arduino. You will be dealing directly with code, but numerous examples and libraries are available. Sensors or switches will communicate with serial or TTL.

**Core Skill: Electrical Prototyping**

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

- **Skill Level:** Experienced - You will need to consult a datasheet for calculations to determine a component's output format, linearity, and do a little math to get what you need. You will be using a datasheet or schematic beyond basic pins.

**COMMENTS**

What's on your mind?

For which department?

General

Please include your email address if you'd like us to respond to a specific question.

**SUBMIT**

In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in a few of a way, to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to making electronics more accessible to everyone, doing everything we can to help scientists and hobbyists alike.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to our great selection of products, we ship from the United States, have an in-house training curriculum, hosting and online tutorials designed to help you get started...