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This product has some level of export control/restriction, so may be delayed by 2-3 business days when shipping outside the United States. [Contact us](#) with questions, or we will contact you after you place your order.

SparkFun Venus GPS Logger - SMA Connector

GPS-10920 ROHS ✓ ✱



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Description: The smallest, most powerful, and most versatile GPS receiver we carry just got more powerful. The Venus638FLPx is the successor to the Venus634LPx and has improved sensitivity and a faster update rate. The new module can be configured to an amazingly powerful 20Hz update rate. With 29mA operating current and high sensitivity, this receiver seriously opens new doors for tracking. Module outputs the standard NMEA-0183 or SkyTraq Binary sentences at a default rate of 9600bps (adjustable to 115200bps).

The Venus638FLPx has improved sensitivity, an integrated LNA (with multipath detection and suppression), built-in RTC, and integrated single power supply making it very simple to use.

Not sure which GPS module is right for you? Check out our [GPS Buying Guide!](#)

Features:

- 20Hz Update rate
- -148dBm cold start sensitivity
- -165dBm tracking sensitivity
- 29 second cold start TTFF

- 3.5 second TTFF with AGPS
- 1 second hot start
- 2.5m accuracy
- Multipath detection and suppression
- Jamming detection and mitigation
- SBAS (WAAS / EGNOS) support
- 67mW full power navigation
- Works directly with active or passive antenna
- Supports external SPI flash memory data logging
- IC 32M Serial Flash Memory
- Complete receiver in 10mm x 10mm x 1.3mm size
- Contains LNA, SAW Filter, TCXO, RTC Xtal, LDO
- Can be powered by a 3.7V LiPo battery (or any 3.5 - 12V supply) through the JST connector or 3.3V regulated supply.

Dimensions: 1.25 x 0.75 inches