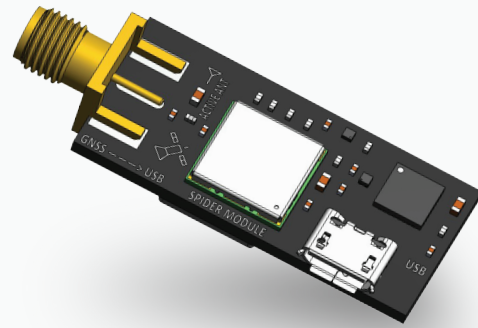


# GNSS on a Stick

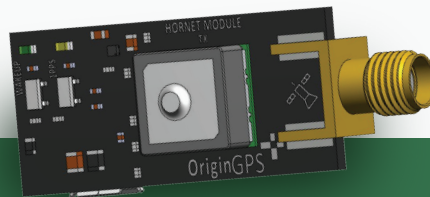
The new GNSS On a Stick by OriginGPS is a nifty device providing real-time location information in the palm of your hand. To enable instantly viewing your location on Google Maps or Google Earth, simply plug the Micro USB connector into your PC or connect the miniature device to a board with just 4 wires (TX, RX, VIN and GND).

The GNSS On a Stick is the world's smallest device of its kind, its compact form includes altitude, and velocity information and also provides ultra-accurate timing when viewing routes in real-time or viewing GPS history.

Developers can now benefit from OriginGPS high performance location-awareness in a neat plug and play miniature device.



## FEATURES



World's smallest



Fast tracking



Accurate timing








High quality performance



Instant plug-and-play

## SUPPORTED MODULES

Part Number	PC connection	Maximum operating current	RF SMA connector
 ORG1510-R02-USB	Micro USB	150mA max	
 ORG1510-MK04-USB			
 ORG4572-MK05-USB			✓
 ORG4572-R02-USB			✓
 ORG4600-B01-USB			✓

# GPS / GNSS MODULES



## Outstanding performance from first fix

The GPS/GNSS modules achieve improved time to first fix (TTFF) and highly accurate real-time positioning of approximately 1.5m, enhanced signal-to-noise ratio (SNR), and a position fix of 1sec (hot start).



## The world's smallest form factor

The miniature GPS/GNSS modules integrate an LNA, SAW filter, TCXO, RTC crystal, and a power management unit, in addition to the GNSS SOC.



## Ultra-sensitivity is key

OriginGPS proprietary Noise-Free Zone™ technology enhances sensitivity and noise immunity, both essential under challenging signal conditions such as those in urban canyons.



## Integrated and simple to integrate

Designed for a simple integration process, the modules offer a complete system-in-package (SIP) with an industry-leading small surface-mount technology (SMT) footprint.



## Low power consumption saves resources

Requiring a very short acquisition time for TTFF, OriginGPS modules consume substantially less battery power. In addition, all modules include a range of low power modes.



## Multi-constellation

OriginGPS modules simultaneously support multi-constellations, enabling continuous tracking of all satellites in view.

## Why choose an OriginGPS GPS/GNSS module?

### + Small form factor

Utilizing the smallest PCB space possible enables end product miniaturization and plenty of space to design.

### + Minimizes RF design challenges

Modules RF front-end, LNA, SAW filter, TCXO and RTC are all integrated, while Hornet modules also include an integrated antenna.

### + Superior RF performance

Noise Free Zone (NFZ) technology eliminates ground currents, lowering noise floor, which results in superior C /No - the leading performance indicator in GPS/GNSS receivers.

### + Fast TTM

A true plug-and-play solution with commands and data communicated over UART/I2C/SPI in standard NMEA format.

### + Design review included

Our technical team will review your schematic and board layout files. We are RF experts, so you don't have to be.

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