

## Pre-GO PPP Product datasheet

PKG300060P

USD79.00

The Pre-GO PPP: High precision GPS with onboard antenna

This board provides a raw data feed for rtklib – and can get you centimeter level GPS accuracy. That alone is compelling. The U-Blox Neo-7P GNSS module also includes their proprietary PPP (Precise Point Positioning) solution for your location-aware project, delivering decimeter-level accuracy without taxing the host processor.

Running rtklib on a host processor, such as any of our Gumstix COMs, or Raspberry Pi, or BeagleBone, makes this product ideal for surveying, cartography and geodetic applications. Precision geolocation in a 30x24mm form factor.



### Product Features

Mechanical	
<b>Length</b>	21 mm L
<b>Width</b>	30 mm W
Robotics	
<b>GPS</b>	PPP from u-blox, for precision in clear-sky applications without the need for a reference
General	
<b>5-pin GPS Connector</b>	Raw GPS data suitable for rtklib processing

### Connectors

Pre-GO modules can connect to any host board with an available UART connection. Logic levels are at 3.3V, and the board is powered by the 5V supply; however, by removing and replacing a jumper resistor, the board can be powered by a 3.3V source.

The GPS antenna is on the board; look at our other board with an SMA connector instead to allow external placement of an antenna.

### Customization alternatives

A Geppetto designer has the choice of including a header on a custom-design that connects via 5-pin cable to one of these PreGO boards as shown

by these examples. Alternatively, the GPS module can be placed directly on a board.

### Key component

- 1 × UBlox Neo-7P GPS Receiver Module
- 1 × DF13 R/A 5Pos 1.25mm SMT

### Product links

- [CAD Drawing \(DXF\)](#)
- [Project page for rtklib](#)
- [Geppetto®Workspace](#)

