

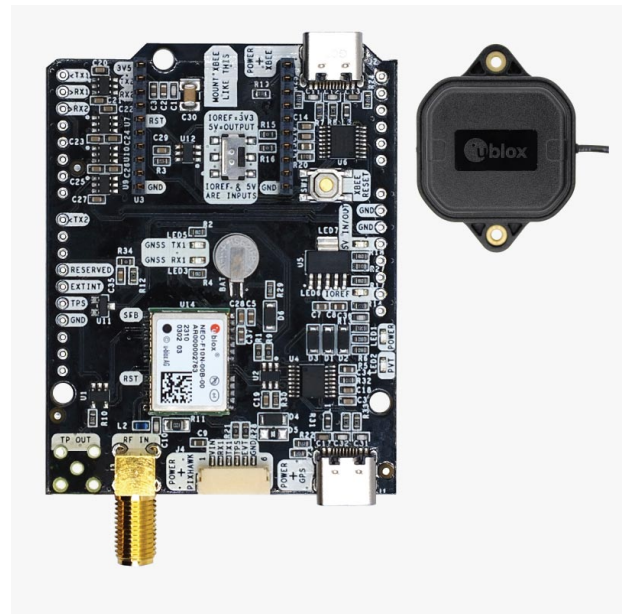
simpleGNSS - Basic Starter Kit

Includes:

- 1 simpleGNSS Pro board (NEO-F10N)
- 1 u-blox ANN-MB1-00 Antenna for GNSS Dual Band (L1/L5) with 5m cable (IP67)



More info about the product!



simpleGNSS - Basic Starter Kit SKU is: AS-STARTKIT-BASICGNSS-L1L5-NH-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

Description

This standalone set of dual band (L1/L5) GNSS board based on u-blox NEO-F10N + u-blox ANN-MB1-00 antenna is everything that you need to achieve submeter level accuracy and evaluate dual band (L1/L5) GNSS technology at the most affordable cost.

It is fully compatible with Arduino, STM32 Nucleo, Raspberry Pi, Nvidia Jetson, ROS and Pixhawk / Ardupilot.

More details are available in the Specifications and Documentation tabs.

Good to know:

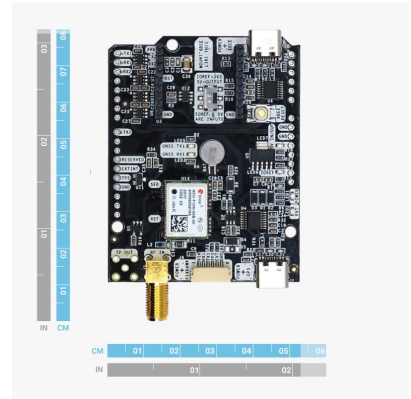
- This product is recommended if you want to evaluate u-blox NEO-F10N

Specifications

NEO-F10N features

- Sub meter level precision
 - <1.5m in standalone mode
 - <0.9m standalone with SBAS coverage
- Update rate
 - Default: 1Hz
 - With maximum performance: up to 8Hz
 - With reduced performance: up to 10Hz
- Multi band: L1, L5 support
- Multifrequency and Multiconstellation:
 - GPS: L1C/A L5
 - GLONASS: L1OF
 - Galileo: E1-B/C E5a
 - BeiDou: B1C B2I
 - NavIC: SPS-L5
 - QZSS: L1Sb
 - SBAS: WAAS, EGNOS, MSAS, GAGAN and SouthPan
- Start-up times:
 - First position fix: 27 seconds (cold), 2 seconds (hot)
- Operating temperature Range: -40 to +85deg
- Documentation: RED, RoHS, UKCA

Image Gallery



Pinout

TOP VIEW

Description	Name	Name	Description
GPS TX1 3.3V level	TX1	GND	Must connect to GND
GPS RX1 2.7V - 3.6V level	RX1	GND	Must connect to GND
XBee RX 2.7V - 3.6V level	RX2	5V_IN	4.5-5.5V optional input voltage Can also be output via switch
XBee TX 3.3V level	TX2	IOREF	N/C when set as input Can be 3.3V output via switch
Don't connect	DNC		
Input for timestamp 3.3V level	EXTINT		
Timepulse out 3.3V level	TPS		
Ground	GND		

Documentation

User Guide	https://www.ardusimple.com/user-guide-simplegnss/
Antenna Installation Guide	https://www.ardusimple.com/gps-gnss-antenna-installation-guide/
3D CAD STEP Files	https://www.ardusimple.com/3d-cad-step-files/

simpleGNSS - Basic Starter Kit includes free basic technical support. Contact info@ardusimple.com for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.