

simpleRTK3B Pro

Includes:

- 1 simpleRTK3B Pro board (Mosaic-X5)



More info about the product!



simpleRTK3B Pro has several different configurations to provide you with flexibility:

SKU	Variation Name
AS-RTK3B-MX5-L125-NH-00	Without headers
AS-RTK3B-MX5-L125-HS-00	Headers soldered (+26€)

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

simpleRTK3B Pro is a standalone board that allows to evaluate triple band millimeter RTK GNSS positioning technology including microSD datalogging and with [an accessory native Ethernet functionality](#). It's based on **Septentrio mosaic-X5** module and can be used standalone. Or connected with Arduino, Ardupilot / Pixhawk (JST connector), Raspberry Pi, Nvidia Jetson and STM32 Nucleo platforms, as a shield. It can provide up to 100 RTK positions every second.

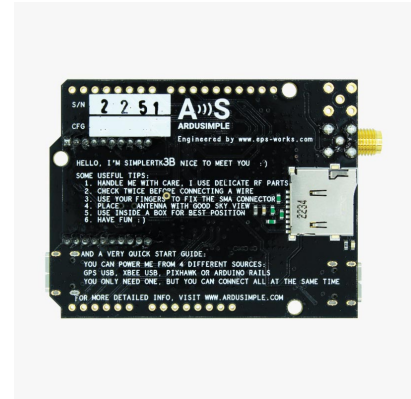
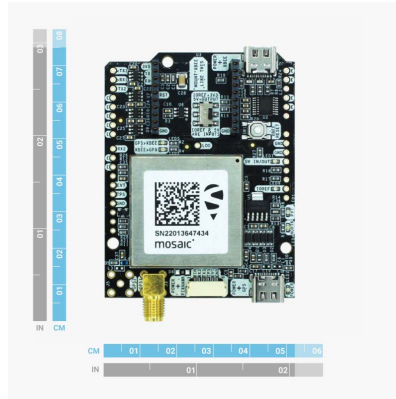
This board is ideal for advanced projects that require high update rate, best in class accuracy or CORS base station installations.

More details available in the Specification and Documentation tabs.

Good to know:

- This product includes a microSD card native datalogger (microSD card not included)
- This product is compatible but doesn't include a multiband GNSS antenna, which is necessary to use the product.
- The module will not give good performance with a standard GNSS antenna, requires a multiband one. Best performance is achieved with a triple band antenna.
- This product is compatible but doesn't include radio, which is necessary to connect to another base.
- This board is recommended if you want to test **Septentrio mosaic-X5** performance.
- The onboard XBee socket can be used to expand functionality with Plugin accessories (MR/LR/XLR radios, Bluetooth, WiFi, RS232, Canbus, L-Band, 4G/3G/2G).
- You can use the Shield for Second Plugin socket to connect 2 plugins at the same time.
- This product already includes a native microSD datalogger (microSD card not included).
- This product already has embedded Ethernet functionality (special Ethernet adapter not included, see related product below).
- Compatible with ArduSimple plastic case
- Ardupilot compatible via JST-GH standard connector
- Timepulse output and Event input
- This product is a low cost alternative to Trimble BD970

Image Gallery



Pinout

TOP VIEW

Description	Name	Name	Description
GPS TX1 IOREF level	TX1	E	Don't connect
GPS RX1 IOREF level	RX1	E	Don't connect
XBee TX/GPS RX2 IOREF level	TX2	E	Don't connect
Don't connect	E	E	Don't connect
Don't connect	E	E	Don't connect
Don't connect	E	E	Don't connect
Don't connect	E	E	Don't connect
XBee RX/GPS TX2 IOREF level	RX2	GND	Must connect to GND
Don't connect	E	GND	Must connect to GND
Don't connect	E	5V_IN	4.5-5.5V optional input voltage Can also be output via switch
Event input for timestamp 3.3V level	EVT	IOREF	1.8-5V, defines voltage of TX/RX Can also be 3.3V output via switch
Inverted timepulse out 3.3V level	TPS		
Ground	GND		

simpleRTK3B Pro 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.