



Sierra MicroNav- FPV



Sierra MicroNav is a standard precision GNSS targeting non-critical applications like FPV and Hobby markets. It uses Ublox M10S/F10S modules which support L1 only or L1+L5 bands respectively. It also integrates the IST8310 magnetometer via I2C.

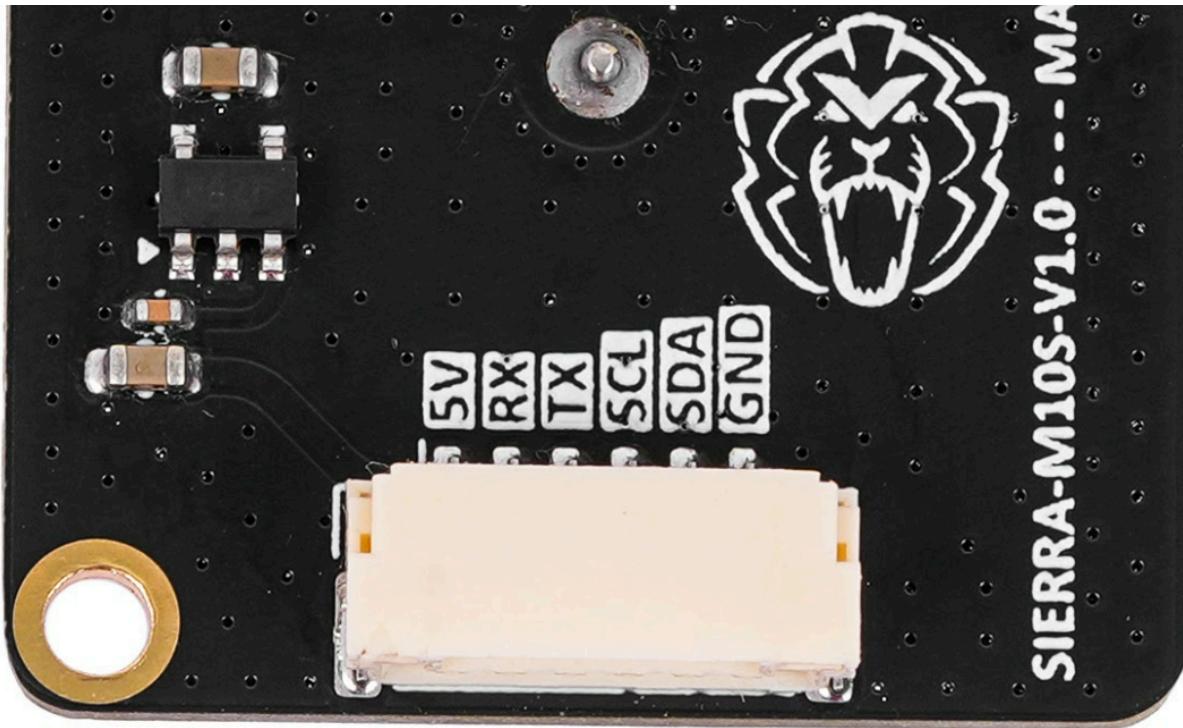
Features include,

- Ublox M10S/F10S
- Operating temp: -40°C to 85°C
- Built-in IST8310 magnetometer
- Max. Power consumption: 5V, 50mA
- Weight: 12.75g, Dimension: 25x33mm
- UART+I2C

Ardupilot setup:

- GPSx_TYPE = 1 or 2 for UBX autoconfig
- GPSx_TYPE = 5 for NMEA

Interface: Viewed from TOP



UART+I2C port:

Note: Follows exact pinouts as Pixhawk Cube/ Pixhawk standards

PIN	SIGNAL	VOLTAGE
1	POWER	5V
2	UBLOX_RXD	3.3V
3	UBLOX_TXD	3.3V
4	I2C_SCL	3.3V
5	I2C_SDA	3.3V
6	GND	GND