

Pixhawk 2.4.8

购买地址: [淘宝链接](#)

Missionplanner 下载地址: [百度云链接](#)

详细资料地址: [Pixhawk 飞控教程](#) · [GitBook \(lyuav.com\)](#)

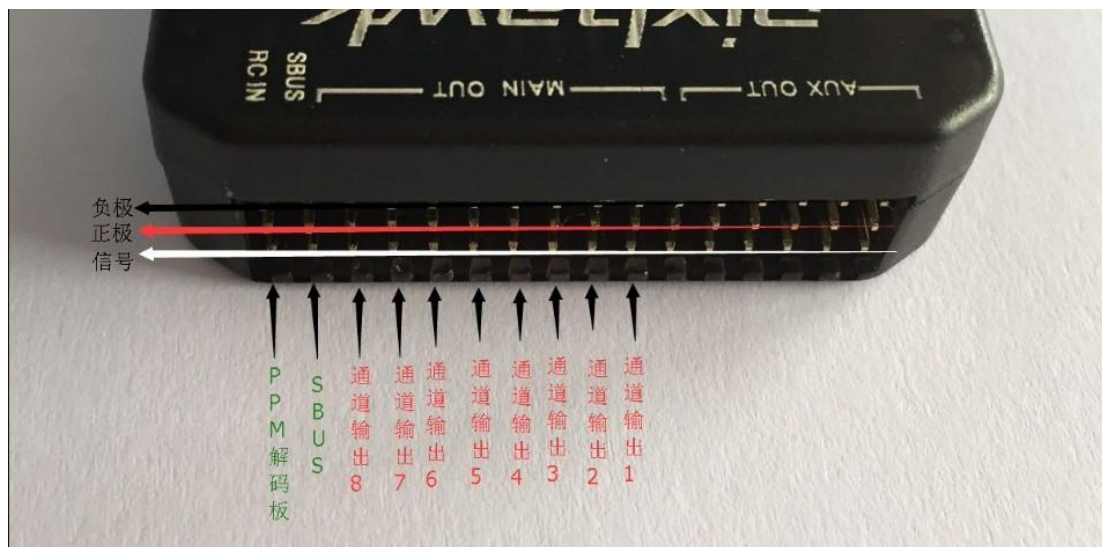


技术规格

- 处理器
 - STM32F427 VIT6 (168 Mhz/256 KB RAM/2 MB 闪存 100Pin)
 - 32 位 STM32F100C8T6 (48Pin) 故障保护协处理器，平常用来控制输入信号采集 (“Big - Little ” 架构)
 - 晶振 24MHz 精度 15ppm 3325 封装
- 传感器
 - Invensense MPU6000 三轴加速度计/陀螺仪

- ST Micro L3GD20 16 位陀螺仪
- ST Micro LSM303D 14 位加速度计/磁力计
- MEAS MS5611 气压
- 处理
 - 双加速度计 MPU6000 1KHZ LSM303D 800HZ （消除 1KHZ 共振）
 - 双陀螺仪 取平均
 - 双罗盘 一个内置一个外置 ， 备用
 - 双 GPS 基于锁定状态和星数选择切换（或更复杂的切换机制、并可对比测试性能）
- 其它
 - FM25V01 128K 非易失闪存
 - TXS0108 通用电平驱动芯片（Usart 、舵机输出），隔离/增强驱动，无 TTL 转 232 功能
 - LTC4417 电源管理芯
 - MIC5332 双输出超低压降 LDO
 - BQ24315 电池管理芯片
 - TCA62724 三色 LED 灯专用芯片
 - LT3469 信号采集运放
 - 可外接 MS4522D 数字差压空速计 （6.6V ADC 输入）
- 产品尺寸
 - 重量 38 克（1.3 盎司）
 - 宽度 50 毫米（2.0 英寸）
 - 高度 15.5 毫米（.6 英寸）
 - 长度 81.5 毫米（3.2 英寸）

接线说明



ADC 3.3V

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	ADC IN	up to +3.3V
3 (blk)	GND	GND
4 (blk)	ADC IN	up to +3.3V
5 (blk)	GND	GND

ADC 6.6V

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	ADC IN	up to +6.6V
3 (blk)	GND	GND

CAN

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	CAN_H	+12V
3 (blk)	CAN_L	+12V
4 (blk)	GND	GND

GPS port

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	TX (OUT)	+3.3V
3 (blk)	RX (IN)	+3.3V
4 (blk)	CAN2 TX	+3.3V
5 (blk)	CAN2 RX	+3.3V
6 (blk)	GND	GND

I2C

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	SCL	+3.3 (pullups)
3 (blk)	SDA	+3.3 (pullups)
4 (blk)	GND	GND

POWER

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	VCC	+5V
3 (blk)	CURRENT	+3.3V
4 (blk)	VOLTAGE	+3.3V
5 (blk)	GND	GND
6 (blk)	GND	GND

SPI

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	SPI_EXT_SCK	+3.3
3 (blk)	SPI_EXT_MISO	+3.3
4 (blk)	SPI_EXT_MOSI	+3.3
5 (blk)	ISPI_EXT_NSS	+3.3
6 (blk)	GPIO_EXT	+3.3
7 (blk)	GND	GND

SWITCH

Pin	Signal	Volt
1 (red)	VCC	+3.3V
2 (blk)	!IO_LED_SAFETY	GND
3 (blk)	SAFETY	GND

TELEM1, TELEM2 ports

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	TX (OUT)	+3.3V
3 (blk)	RX (IN)	+3.3V
4 (blk)	CTS	+3.3V
5 (blk)	RTS	+3.3V
6 (blk)	GND	GND

SERIAL 4/5 port - due to space constraints two ports are on one connector.

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	TX (#4)	+3.3V
3 (blk)	RX (#4)	+3.3V
4 (blk)	TX (#5)	+3.3V
5 (blk)	RX (#5)	+3.3V
6 (blk)	GND	GND

连接示例图

