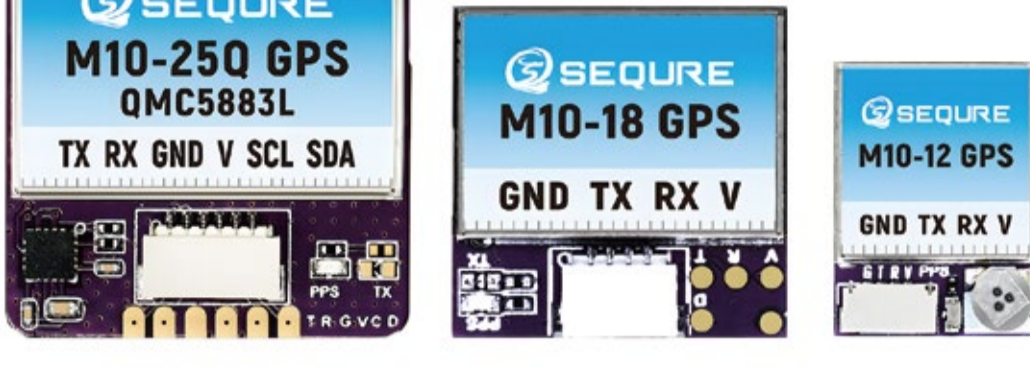


SEQUIRE M10-12|M10-18|M10-25Q GPS Module GPS说明书

感谢您购买本产品!请您在使用前仔细阅读说明书,严格遵守规定的操作说明,使用者需具备一定电子基础和良好的焊接技术,错误的使用可能造成人身伤害和设备损坏。我们不承担因使用本产品或擅自对产品进行改造而引起的任何责任,包括但不限于对附带损失或间接损失的赔偿责任。

Thanks for buying this product! Please read the instructions carefully before use and strictly abide by the specified operating instructions. Users must have a certain electronic foundation and good welding skills. Wrong use may cause personal injury and equipment damage. We do not assume any liability arising from the use of this product or unauthorized modifications to the product, including but not limited to liability for incidental or indirect losses.



1. English instruction manual 01 - 03

2. 中文说明书 04 - 06



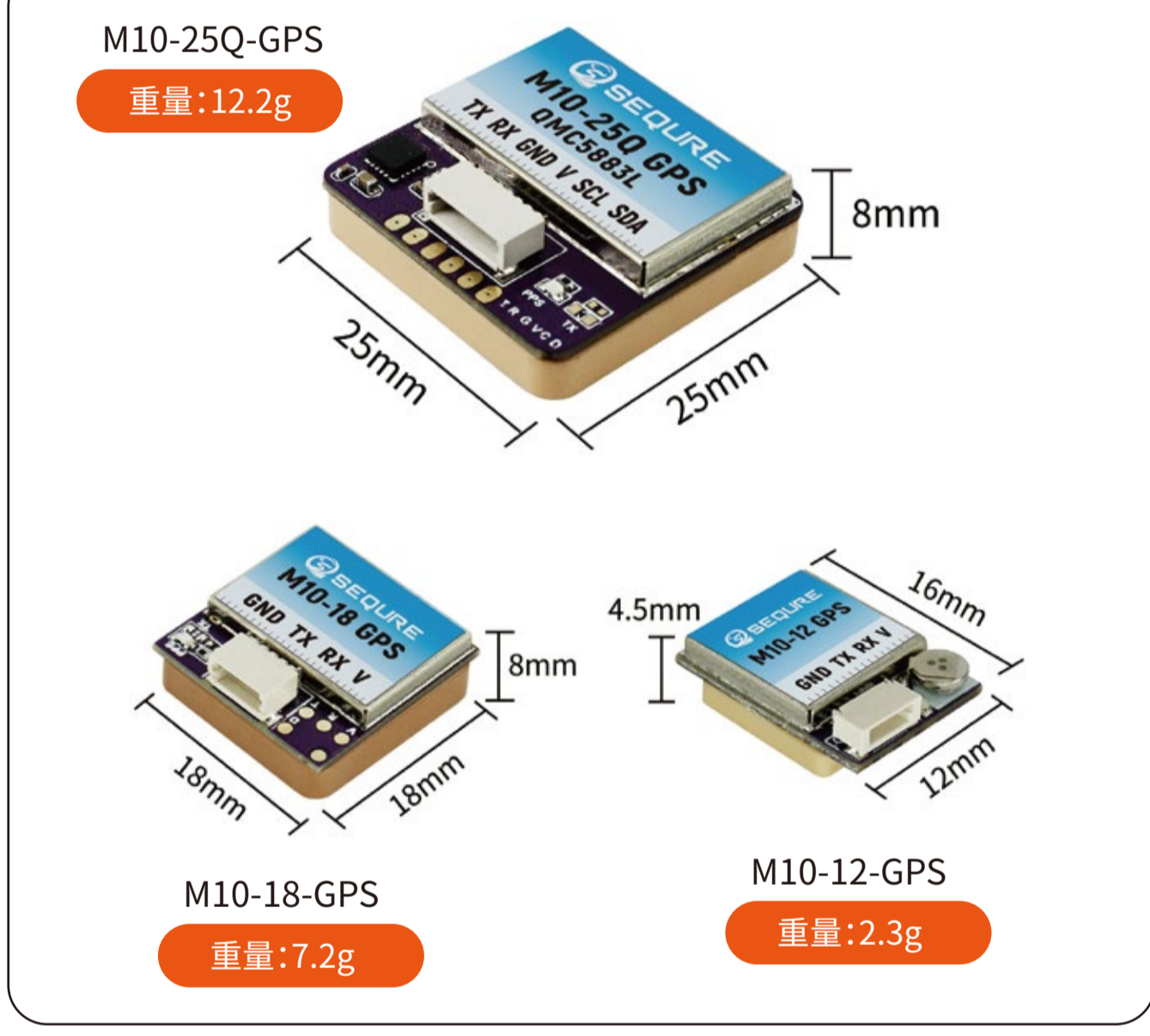
1 PRODUCT DESCRIPTION

- Adopts 10th generation chip to design the u-blox output protocol and 10Hz output frequency, lower power consumption, and fast positioning.
- High-quality ceramic antenna with strong performance and effective reception of satellite signals.
- M10-25Q integrates QMC5883L compass for a wider range of applications.
- Miniaturized and multi-specification design, easy to install, suitable for the installation of drones of various sizes on the market.
- Supports two connection methods: direct plug-in and soldering pad, with strong compatibility.

2 PRODUCT PARAMETERS

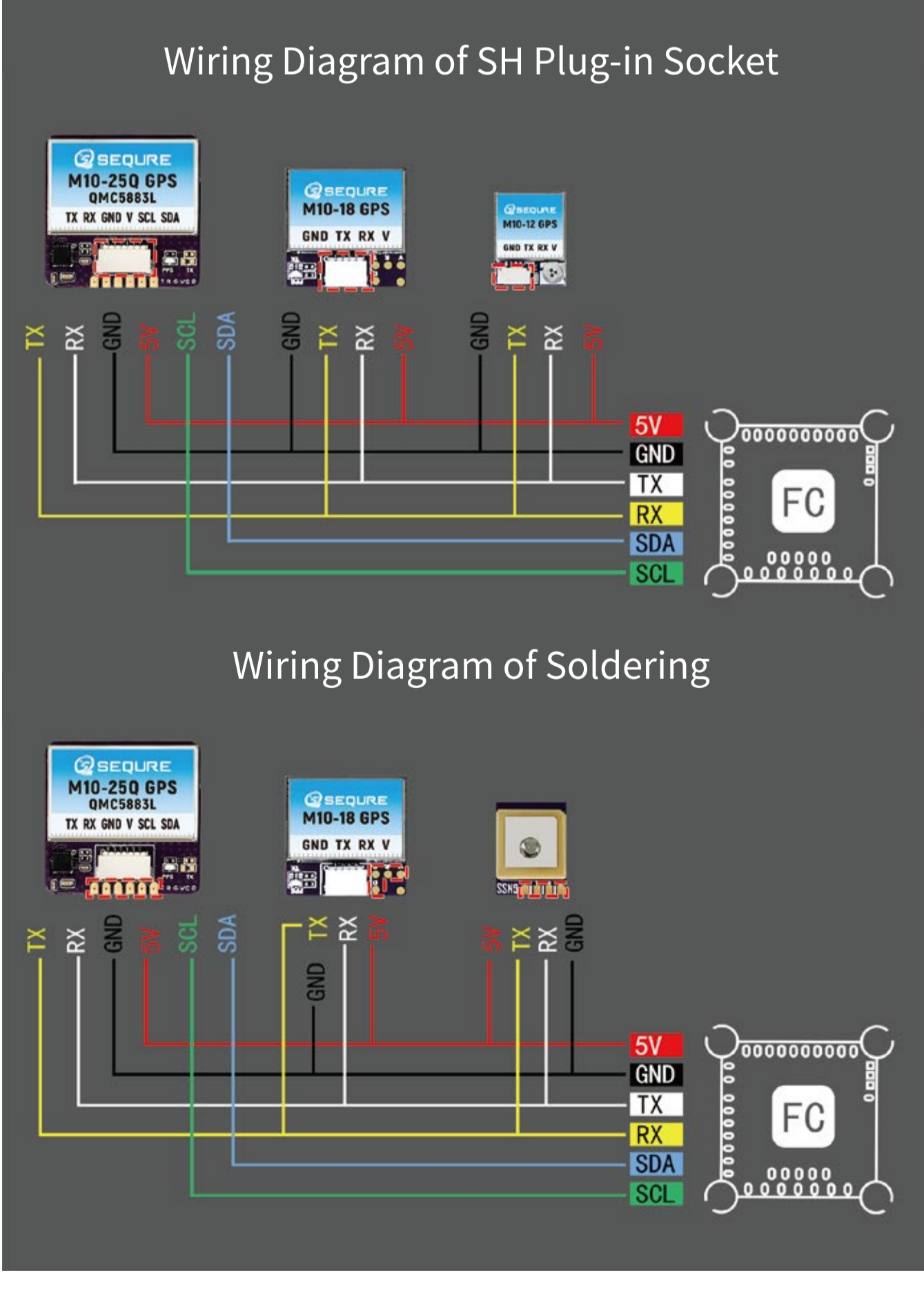
Model	M10-12 GPS	M10-18 GPS	M10-25Q GPS
Chip	M10	M10	M10
Frequency	GPS L1, GLONASS L1, BDS B1, GALILEO E1, SBAS L1, QZSS L1	GPS L1, GLONASS L1, BDS B1, GALILEO E1, SBAS L1, QZSS L1	GPS L1, GLONASS L1, BDS B1, GALILEO E1, SBAS L1, QZSS L1
Power Supply	5V	5V	5V
Size	12*16*4.5mm	18*18*8mm	25*25*8mm
Weight	2.3g	7.2g	12.2g
Interface	SH0.8-4P connector,PCB pad	SH1.0-4P connector,PCB pad	SH1.0-6P connector, PCB pad
Antenna	Ceramic Antenna	Ceramic Antenna	Ceramic Antenna
Receiving Channels	72 search channels	72 search channels	72 search channels
Baud Rate	115200	115200	115200
Output Protocol	UBLOX	UBLOX	NMEA, UBLOX dual protocol, I2C(Mag)
Compass	/	/	QMC5883L
Output Frequency	1Hz-10Hz, default 10Hz	1Hz-10Hz, default 10Hz	1Hz-10Hz, default 10Hz
Speed Accuracy	0.05m/s	0.05m/s	0.05m/s
Horizontal Positioning Accuracy	2D ACC1.5m (open-air)	2D ACC1.5m (open-air)	2D ACC1.5m (open-air)
Receive Sensitivity	Trace-162dBm, capture-160dBm	Trace-162dBm, capture-160dBm	Trace-162dBm, capture-160dBm
Working Temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Storage Temperature	-40°C ~ +105°C	-40°C ~ +105°C	-40°C ~ +105°C

3 SIZE AND WEIGHT



4 WIRING DIAGRAM

▲ NOTE: Make sure the wiring is correct before powering, otherwise the product may be damaged.



6 WARRANTY TERMS

1. For those performance faults caused by non-human factors within 3 months from the date of purchase, we provide repair & maintenance service for free. After 3 months, no labor fee will be charged for repairs. If you would like to replace parts, you must pay for the cost.
2. All man-made damage, faults caused by self disassembly & improper use, and all consumables like soldering tips are not covered by the warranty.

7 SAFETY PRECAUTIONS ⚠

- Please do not flash unofficial firmware to avoid damage to the ESC.
- Please do not use it beyond the ESC operating voltage and current range.
- Please check and make sure the positive and negative polarity are correct before powering on.
- Please use the product in compliance with local regulations and ensuring safety.
- Please use accessories that meet safety standards and store them out of reach of children.



www.sequiremall.com

info@sequiremall.com

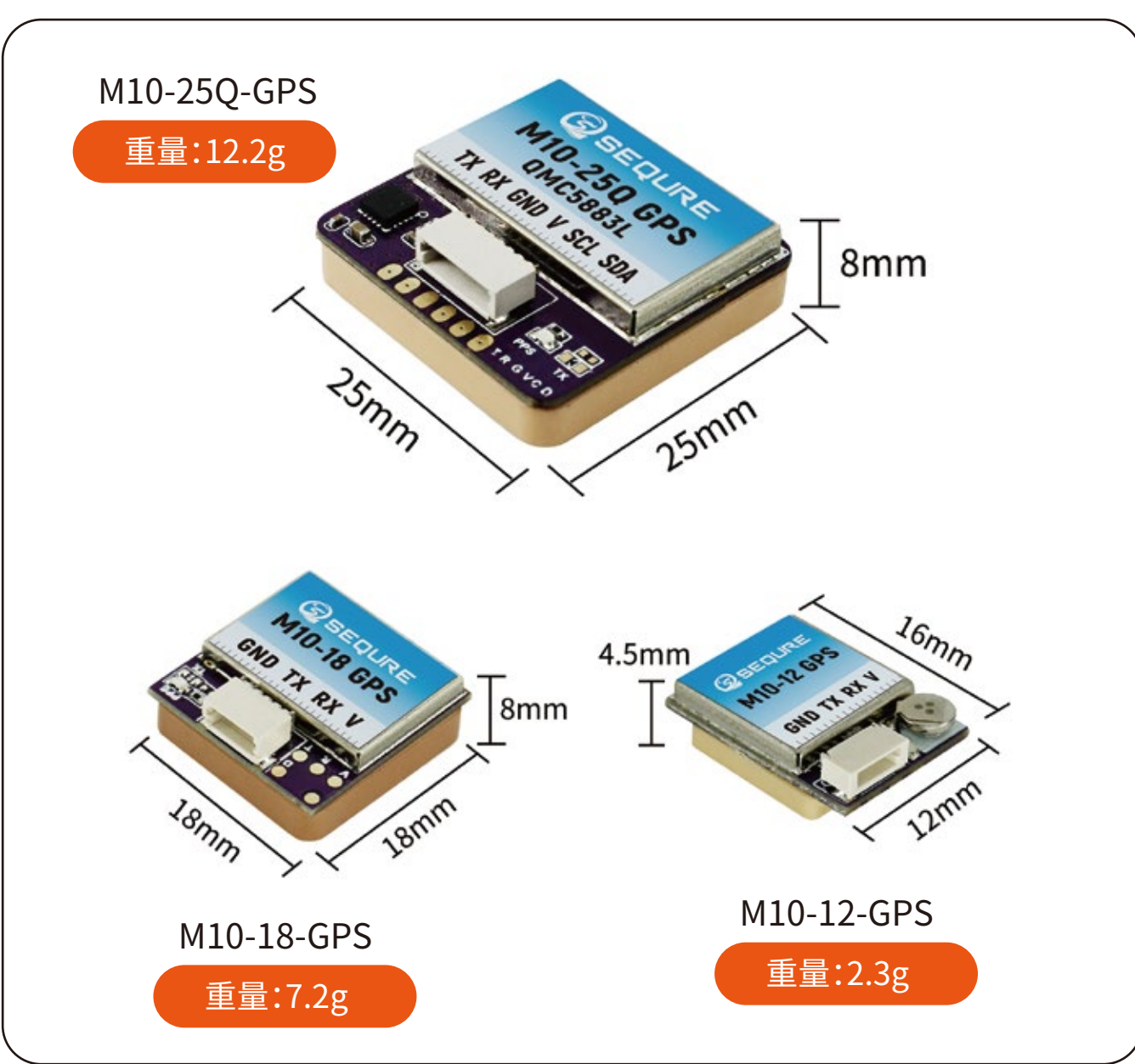
1 产品描述

- 采用10代芯片设计u-blox输出协议和10Hz输出频率,低功耗,定位快。
- 高质量陶瓷天线,性能强劲,有效接收卫星信号。
- M10-25Q集成QMC5883L罗盘,应用范围更广。
- 小型化多规格设计,安装简易,满足市面各种尺寸的无人机安装。
- 支持座子直插和焊盘两种连接方式,兼容性强。

2 产品参数

型号	M10-12 GPS	M10-18 GPS	M10-25Q GPS
芯片	M10	M10	M10
频率	GPS L1, GLONASS L1, BDS B1, GALILEO E1, S BAS L1, QZSS L1	GPS L1, GLONASS L1, BDS B1, GALILEO E1, S BAS L1, QZSS L1	GPS L1, GLONASS L1, BDS B1, GALILEO E1, S BAS L1, QZSS L1
电源	5V	5V	5V
尺寸	12*16*4.5mm	18*18*8mm	25*25*8mm
重量	2.3g	7.2g	12.2g
接口	SH0.8-4P座, PCB焊盘	SH1.0-4P座, PCB焊盘	SH1.0-6P座, PCB焊盘
天线	陶瓷天线	陶瓷天线	陶瓷天线
接收频道	72个搜索频道	72个搜索频道	72个搜索频道
波特率	115200	115200	115200
输出协议	UBLOX	UBLOX	NMEA, UBLOX 双协议, I2C(Mag)
罗盘	/	/	QMC5883L
输出频率	1Hz-10Hz, 默认10Hz	1Hz-10Hz, 默认10Hz	1Hz-10Hz, 默认10Hz
速度精度	0.05m/s	0.05m/s	0.05m/s
水平定位精度	2D ACC1.5m(露天)	2D ACC1.5m(露天)	2D ACC1.5m(露天)
接收灵敏度	迹线-162dBm, 捕获-160dBm	迹线-162dBm, 捕获-160dBm	迹线-162dBm, 捕获-160dBm
工作温度	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
存储温度	-40°C ~ +105°C	-40°C ~ +105°C	-40°C ~ +105°C

3 尺寸重量

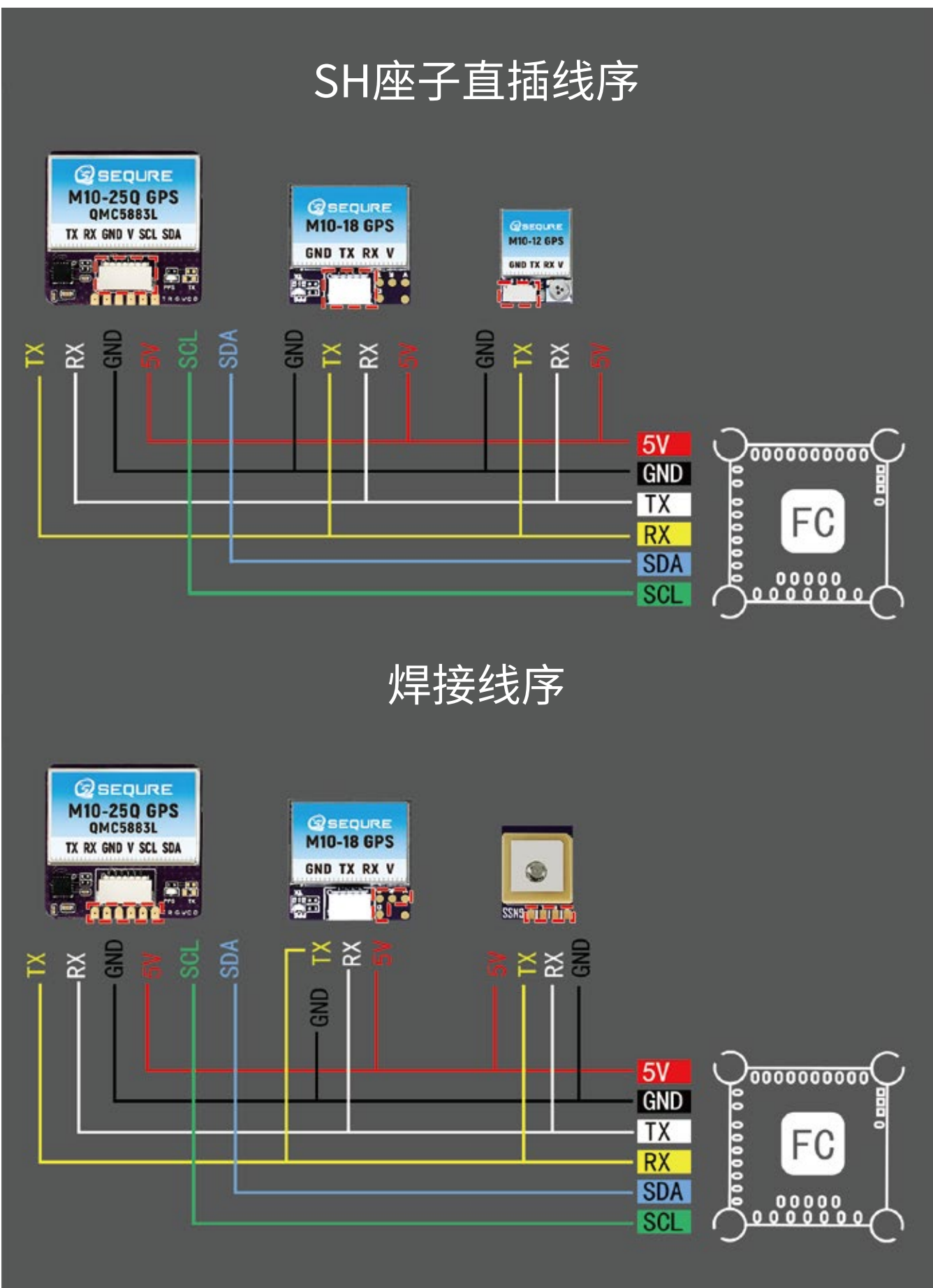


GPS

4

4 接线图

▲ 注: 通电前请确认接线无误, 否则有损坏产品风险



GPS

5

6 保修条款

- (1)自购机之日起3个月内出现非人为因素造成的性能故障, 厂家提供免费维修服务。3个月后, 修理不收取人工费, 若更换配件, 费用需用户承担。
- (2)一切人为损坏, 自行拆机, 使用不当造成的故障, 不在保修范围。

7 安全须知 ⚠

- 请勿刷写非官方指定的固件, 以免损坏电调。
- 请不要超过ESC工作电压, 电流范围使用。
- 请供电前检查并确保正负极性无误, 才能通电使用。
- 请在符合当地法规和确保安全情况下使用产品。
- 请使用符合安全标准的配件, 存放在儿童不容易接触的地方。



www.sequiremall.com

info@sequiremall.com

0769-89399884

GPS

6