

C-RTK 9P

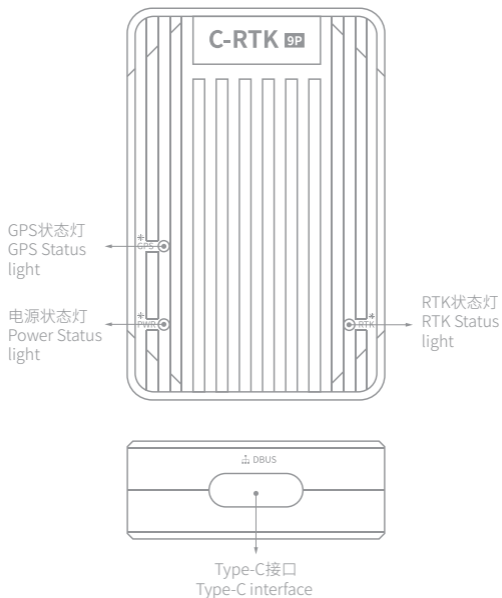
高精度定位模块

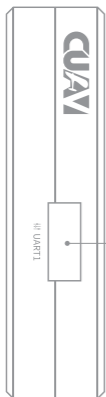
High precision positioning module

产品说明书

User manual

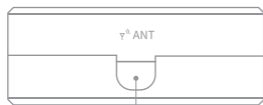
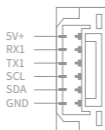
接口定义 Interface definition





UART1接口
UART1 interface

UART1接口定义
UART1 interface definition



天线接口
Antana interface

规格参数

卫星接收	184通道 GPS L1C/A L2C, GLONASS L1OF L2OF, GALILEO E1B/C E5b, BDS B1I B2I, QZSS L1C/A L2C
导航刷新率	RTK up to 20Hz
定位精度	RTK 0.01m + 1ppm CEP
收敛时间	RTK <10s
收集时间	冷启动 24s 辅助启动 2s 重新捕获 2s
灵敏度	追踪 & 导航 -167dBm 冷启动 -148dBm 热启动 -157dBm 重新捕获 -160dBm
抗干扰	主动式 CW 检测与消除 板载滤波器
安全性	高级反欺骗算法
通信接口	UART x2 & USB x1
天线	多星多频天线
时间脉冲	可配置: 0.25 Hz to 10 MHz
数据协议	NMEA, UBX binary, RTCM version 3.3
电压	5V
温度	-40°C to +85°C
尺寸	31.5mmX48mmX12mm
重量	21g

Specification Parameter

Receiver type	184 Channels GPS L1C/A L2C, GLONASS L1OF L2OF, GALILEO E1B/C E5b, BDS B1I B2I, QZSS L1C/A L2C
Nav.update rate	RTK up to 20Hz
Position accuracy	RTK 0.01m + 1ppm CEP
Convergence time	RTK <10s
Acquisition	Cold starts 24s Aided starts 2s Reacquisition 2s
Sensitivity	Tracking & Nav. -167dBm Cold starts -148dBm Hot starts -157dBm Reacquisition -160dBm
Anti-jamming	Active CW detection and removal Onboard band pass filter
Anti-spoofng	Advanced anti-spoofng algorithms
Serial interfaces	UART x2 & USB x1
Antenna	Multi-satellite and multi-frequency antenna
Timepulse	Configurable: 0.25 Hz to 10 MHz
Protocols	NMEA, UBX binary, RTCM version 3.3
Voltage	5V
Temperature	-40°C to +85°C
Size	31.5mmX48mmX12mm
Weight	21g

配件清单 Packing list

地面端

C-RTK 9P硬件	X1
多星多频蘑菇头天线	X1
MMCX-SMA天线延长线与三角架	X1
TYPE-C USB地面端数据线	X1

移动端

C-RTK 9P硬件	X1
多星多频螺旋天线	X1
MMCX-SMA天线延长线与支架-30cm	X1
GH1.25 6P数据线	X2
TYPE-C V5+/V5 nano 飞控数据线	X1
TYPE-C Pixhack系列飞控数据线	X1

*配件清单以销售页面为准。

Ground Modular

C-RTK 9P	X1
Multi satellite and frequency mushroom antenna	X1
MMCX-SMA antenna extension line & Tripod	X1
TYPE-C USB ground data line	X1

UAV Modular

C-RTK 9P	X1
Multi satellite and frequency helical antenna	X1
MMCX-SMA antenna extension line-30cm & Bracket	X1
GH1.25 6P data line	X2
TYPE-C V5+/V5 nano autopilot data line	X1
TYPE-C Pixhack autopilot data line	X1

*The list of sales pages shall prevail.

注意事项

- 请仔细阅读产品的使用说明书
- 请注意卫星定位受环境条件影响
- 请不要暴力损坏产品

Notes

- Please read the instructions carefully.
- Please note that satellite positioning is affected by environmental conditions.
- Please do not damage the product by violence.

相关资料

产品使用教程, 请访问CUAV官方文档中心: <http://doc.cuav.net>

Relevant Information

Product use tutorial. Please visit CUAV official document center: <http://doc.cuav.net>



WWW.CUAV.NET