

# Specifications

## GNSS

GPS+GLONASS

## Power Supply

Supply voltage: 5V~24V

## Receiver Type

GPS L1 1575.42MHz C/A Code

GLONASS L1 1598.0625~1605.375MHz C/A Code

## Sensitivity

Acquisition: -148dBm

Re-acquisition: -160dBm

Tracking: -165dBm

## Horizontal Position

### Accuracy (Autonomous)

<2.5m CEP @-130dBm

### Max Update Rate

Up to 10 Hz, 1 Hz By Default

### Accuracy of 1PPS Signal

Typical Accuracy <15ns (Time service is not supported)

Time pulse width 100ms

### Velocity Accuracy

Without aid: 0.1m/s

### Dynamic Performance

Maximum altitude: 18,000m

Maximum velocity: 515m/s Maximum

Acceleration: 4G

## **UART Port**

Rs-422, Rs232

Supports baud rate from 4800bps to 115200bps, 9600bps by default

## **Temperature Range**

Normal operation: -40°C ~ +85°C

Storage temperature: -45°C ~ +125°C

## **NMEA**

NMEA 0183

NMEA 2000