

## 1. Features:

Compact size that even key chain portable

High sensitivity, powerful GPS chipset, fast acquisition for 16-channel;

Built-in WASS/EGNOS Demodulator

Built-in USB driver, that can transfer data via normal USB cable;

Support Bluetooth SPP profile

Support NMEA0183 v2.3, 9600bps;

Built-in stable, high performance polymer lithium ion battery, low power consumer for at least 8 hours operation

## 2. Specification:

### 2.1 Spec:

Frequency: 1575.42MHz

Channel: acquisition and track up to 16 satellites signal

Receiver: L1, C/A code

Update rate: 1Hz

Minimum signal tracked: -158dBm

### 2.2 Positioning Accuracy:

2.5m CEP accuracy

<2m CEP accuracy (DGPS, WAAS or EGNOS)

Velocity: 0.1meter/sec

### 2.3 Acquisition time:

Hot start: 4 sec.

Warm start: 34 sec.

Cold start: 42 sec.

### 2.4 Input & output:

Bluetooth protocol: Serial Port Profile

CSR BC04, 2.0

Baud rate: 9600bps

Distance: More than 10 meters (no obstacle)

USB driver full speed USB 2.0 (USB1.0/1.1 Compatible)

NMEA0183 v2.3

### 2.5 Power support:

Input: 4.7~5.2V

Built-in polymer Lithium-ion battery with capacity of 520mA/h for at least 8 hours operation

### 2.6 Dynamic condition:

Altitude: 18,000 meter max.

Velocity: 515meter/sec. max.

Acceleration: 4G max.

Jerk: 20meter/sec.

#### 2.7 Dimension, Weight:

Dimension: 65 (L) × 28 (W) × 15 (H) mm

Weight: 30g Operation

Temperature: -10°C--+60°C

Store Temperature: -20°C - +60°C

Operation humidity: 5% to 95% no condensing

#### 2.8 Other function: Switch: Mechanical slide switcher

Antenna: Built-in GPS antenna

LED Function: Bluetooth, GPS positioning, Battery status