

High-precision positioning module for the shared bikes

— GD-100



The high-precision positioning module (GD-100) is a high-precision positioning accessory suitable for shared central control. It communicates with the shared central control through 485 (serial port) and uploads high-precision positioning information to the central control. This achieves precise positioning of shared electric bicycles and the function of returning to a designated location.

Highlights of GD-100 :

- ① Built-in algorithm, low software development workload for the module, and easy docking.
- ② Supports 485 or serial port communication and can be docked with various types of central control.
- ③ Supports RTK service to achieve centimeter-level positioning.

Specifications:

Tractor Parameters	
Dimension	length, width and height : (60.0±0.5) mm× (71.37±0.5) mm× (20.3±0.5) mm
Input voltage range	Voltage input : 3.8V - 5.5V
Power consumption	Normal operation : <22mA@5V Sleep standby : <1uA@5V
Waterproof level	IP65\ V0 level fire prevention
Working temperature	- 3 0 °C ~ +70°C
Working humidity	0% ~ 95%
RF Parameters	
Satellite receiving	BDS : B1I , B2a USA GPS/JAPAN QZSS:L1C/A,L5 Russia:GLONASS:L1 EU : Galileo : E1,E5a
Positioning accuracy	Dual-frequency single point: <1m@CEP50; Dual-frequency RTK:0.5M@CEP95