

## Smart Lock Combined Smart Bike Lock and Cable Lock

Mode D smart lock which is combined [smart bike lock](#) and cable lock applied to bicycles and electric bicycles. The smart bike lock is the main part, and the cable lock can be for an assist, they're for ride share services, such as bike sharing system, electric bike lock system. The smart lock works with mobile APP and software which is backend so there's one-stop solution for mobility.

The smart lock is built-in strong capacity battery, with solar charging and vehicle power supply, the device can work 24 hours without interruption, no maintenance.

## Multiple quick unlocking methods

BIKE LOCK  
EBIKE LOCK

QR code unlock / APP unlock / RFID unlock / remote unlock

- 1** Scan code to unlock  
Mobile APP scan code to unlock
- 2** RFID unlock  
Swipe the RFID card to unlock
- 3** App Bluetooth unlock  
Use Bluetooth to unlock
- 4** Remote unlock  
Server sends a command to remote unlock



The smart bike lock is a [\*\*gps bike lock\*\*](#) with cable for smart parking and temporary parking.

It's real-time positioning and send location information to server and users can also check their location on bike sharing APP or electric bike APP.

### **About the cable lock**

- 1, The cable lock attached to the horseshoe lock is not necessary to be unlocked using a key. It's automatic unlocking like the horseshoe lock.
- 2, The other side of cable lock is connected the sharing bikes or electric bikes for security. It is fixed. Only the side which is attached to smart bike lock (horseshoe lock) can be opened digitally.
- 3, The cable lock can be for temporary parking, it is super functional for users and support different requirement.



# High precision GNSS Real-time location

BIKE LOCK  
EBIKE LOCK

Real-time positioning, stable non-floating,  
strong anti-interference,  
Reduce the influence of  
weather and magnetic field

External Influence



Quickly reduce external influence

Positioning signal stability (little affected by external factors)

## **The functions of the smart bike lock**

- 1, GPS tracking system
- 2, Network communication
- 3, Communication control system of vehicles
- 4, RFID technology,RFID card supported
- 5, 4 Unlocking methods: scan QR code to unlock,unlock via RFID card,unlock via Bluetooth,unlock via server
- 6, The smart lock keeps working well in a rainy day,and high protection level material of alluminium alloy ensures the smart bike lock is not easy to be broken.

The smart lock is built-in advanced IoT technology and fit all the needs of bikeshare and rental ebikes projects.

# Features of Smart Bike Locks

A smart device for bikes/E-bikes



Horseshoe lock+  
cable lock  
2 in 1



Multiple location  
accurate and  
stable



Alloy material



IPX7  
waterproof



4G communication  
real-time  
transmission



10mm lock  
shackle  
Anti-shear



# Smart bike lock+cable

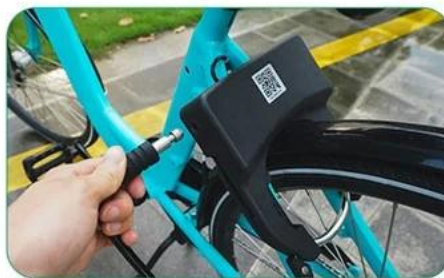
## 2 in 1 design

BIKE LOCK  
EBIKE LOCK

Horseshoe lock is the main, steel cable lock as an auxiliary,  
suitable for bicycle, ebike and other models locking and fixing



Use cable lock to lock the bike



Double lock, security upgrade

## One-stop IoT Solution

- 1, Hardware of smart locks, it can be smart bike lock and [electric bike locks](#).
- 2, Solutions software: smartphone APP, backend

The smart lock can be used for sharing bicycles and rental electric bikes.



# Problems encountered by traditional bicycle locks



Manual unlock is cumbersome



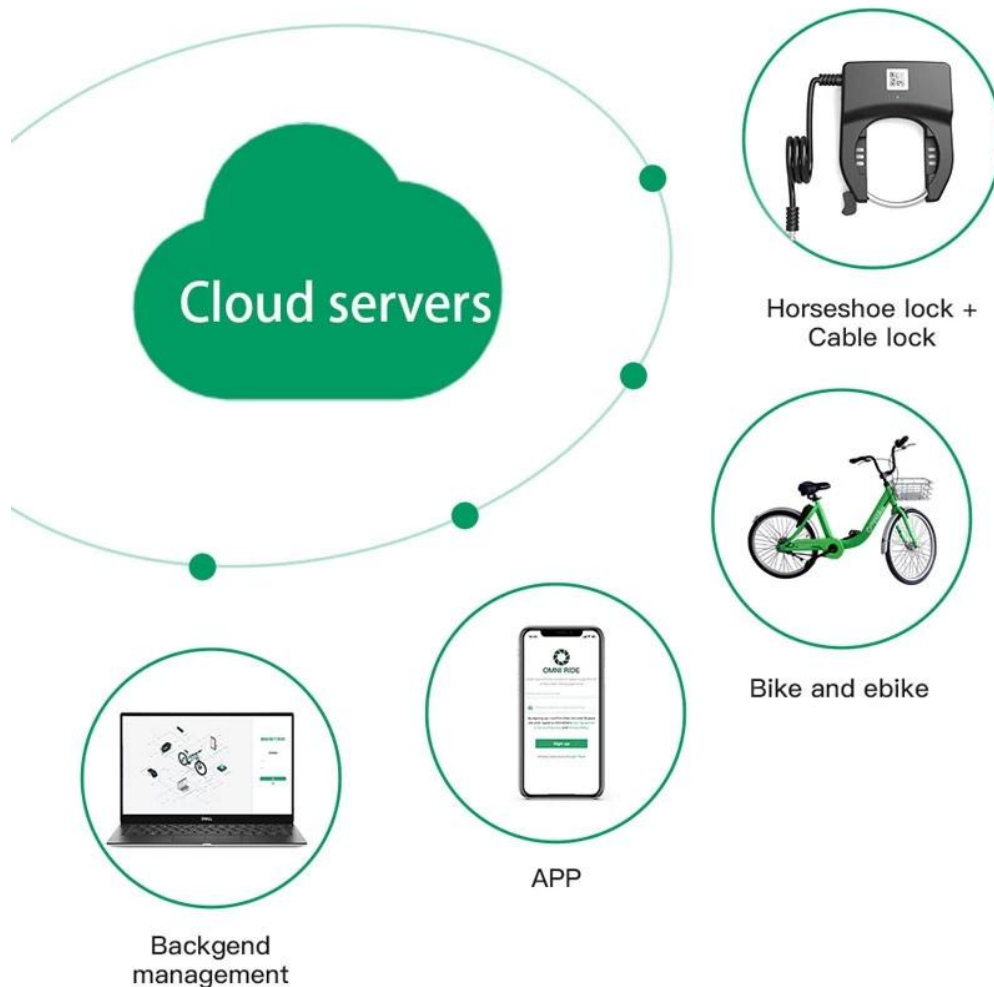
Easily broken



Parking mess

## Ride share service and smart park

One-stop solution



# Solar panel charging Long battery life

BIKE LOCK  
EBIKE LOCK

Support solar charging /USB charging /DC charging,  
providing long battery life.



**The dimension of the smart bike lock**



Aluminium Alloy

