

Waterproof anti-theft bike sharing system GPS bluetooth smart bicycle lock

1. User uses mobile phone to scan the QR code on the shared bikes or smart bicycle lock;
2. APP upload lock ID number to the server;
3. Server confirms the user information, account balance, status of locks and other key information, the normal authority can unlock the smart bicycle lock;
4. Server issued an unlock command to the phone, while issuing an unlock command to the lock;
5. Unlock - GPRS unlock or Bluetooth connection to unlock;
6. Built-in GPS tracking system, reporting real-time tracking information;
7. Return and lock after finished the ride, the server began billing;
8. After the end of the ride, the user manually lock, lock upload lock information to the service station, the end of billing and deduction;
9. Remote upgrade;
10. Through the wired and wireless way to collect the lock information and status, and regular reporting;
11. Program logic can be customized as per requirements.

① Smart Lock



| | |
|---------------|--|
| Model | OGB1 smart bicycle lock |
| Outside Size | 196*150*65(+3mm) |
| Weight | 1.2KG |
| Material | Al alloy shell, 10mm stainless steel circle, sealed plastic box inside |
| Unlock Method | Bluetooth |
| Lock Method | Manual to lock |
| GPRS Band | GSM850Mhz, EGSM900Mhz, DCS1800Mhz, PCS1900Mhz |
| BLE Frequency | 2402-2480Mhz |
| Battery | 6000maH/ 8000mAh |

| | |
|-----------------------|--|
| External Power | Solar Penal |
| Power Consumption | 2~3mA |
| Storage Temperature | -40°C to +85°C |
| Working Temperature | -20°C to +65°C |
| IP | IP67(completely dust-proof, rain-proof, soak 30min.) |
| Humidity | 5%--95% non-condensing |
| LED Indicator[inside] | Red/ Blue |

Electric Bike Sharing Solution



- ① Smart Lock + ② Electric Bicycle + ③ APP
-



① Smart Lock








Smart lock features



Built-in sensor,
buzzer alarm 



 **Waterproof**

Can also be used normally in water

Drop

The material of aluminum alloy will not be easily broken

Polymer Battery,
Low Voltage Alarm 

Low Power consumption, long standby time



② Application



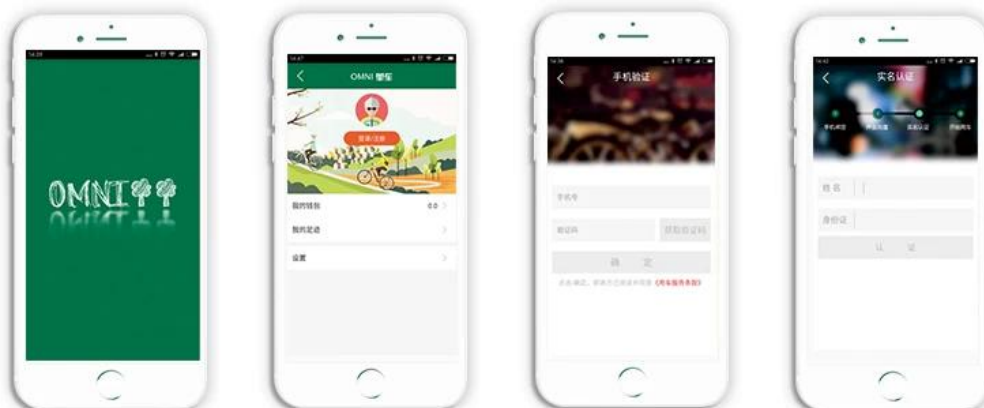
③ Classic case of System development



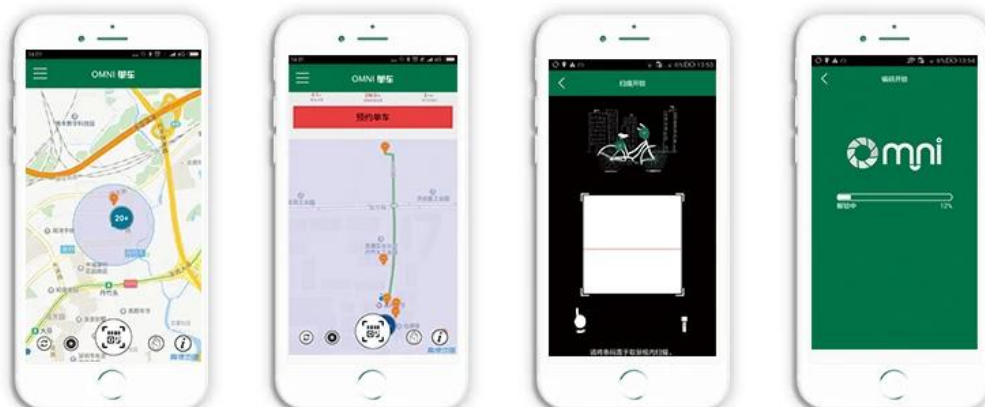
APP Switch on



Registering



Renting



Relation chart

