

Bike Share and Rental E-bikes with IoT Device and Application and Backend Software

The IoT device is monitoring all bikes and electric bikes all over the world. Omni has the knowledge and technology for IoT device and software to bike sharing and rental e-bikes companies for their vehicle management all over the world.

- The whole solution includes: IoT device connects brake lock, phone application, backend software.
- IoT device monitors all status for the vehicles. It has QR code system with unlocking and locking automatically after user finished and paid.
- Omni can rent out application and backstage and support customization if needed.
- And Omni can help to integrate your own APP and backstage using this IoT device only.
- Advanced technology with huge contrast to traditional ones: local geo-fence technology, GNSS double frequency technology, inertial navigation.
- Works with parking beacon supports standard parking.



LOCATION AND DIMENSION

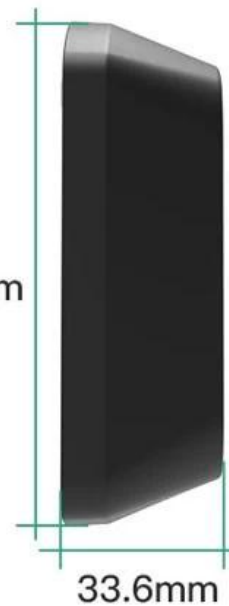
For rental&shared bike e-bikes



On seat stays above rear bicycle tire



107mm



124mm

33.6mm

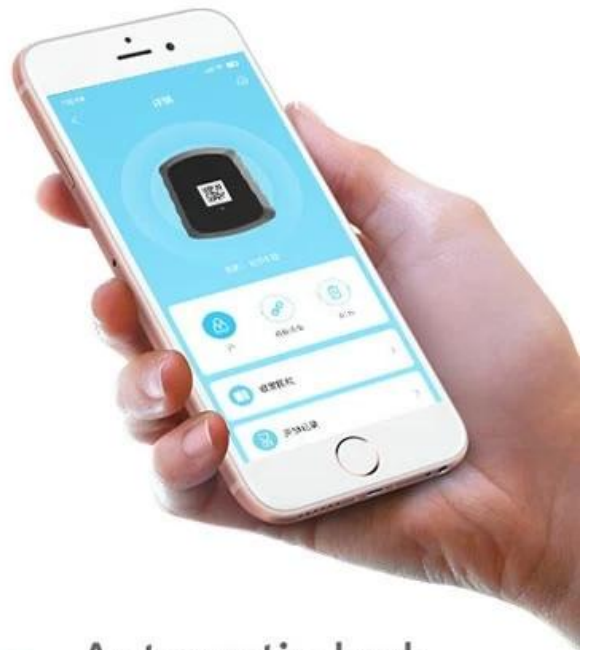
IoT-QR locking and unlocking system



MORE UNLOCK OPTIONS RIDE SHARE EASILY

QR code/Bluetooth/RFID card/Remote unlock,automatic locking

- 1 APP scan QR code
- 2 RFID card unlocks
- 3 Bluetooth connects APP
- 4 Server command



Automatic lock
after payment

Solution

IoT device connects wheel lock

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MAIN
PRODUCT

GPS tracking system

Public bike
share scheme

+



IOT UPGRADES

20 years IoT technology



4G/BLE
communication



Solar
charging



Local
Geo-fence



RFID
card unlock



GPS precise
position



Postural
detection



OTA
upgrade



HD audio
function

20 +

years

IoT-plastic



ENVIRONMENTAL PROTECTION MATERIAL

Matte surface, hard-wear quality, impact resistance, corrosion resistance, high temperature resistance long-time duration.

