

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

The [IoT device](#) is monitoring all 2-wheeler vehicles 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.

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

3

Bluetooth connects APP

2

RFID card unlocks

4

Server command



Automatic lock
after payment

- **The whole IoT 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 IoT 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

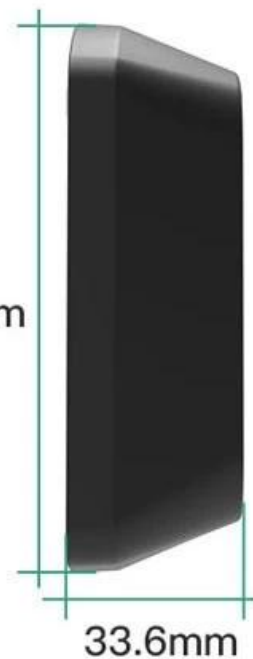
For rental&shared bike e-bikes



On seat stays above rear bicycle tire



124mm



33.6mm

Solution

IoT device connects wheel lock

=

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