Smart Control and Monitor of Electric Bikes Fleet

Why do we need to install the [IoT devices](#) into electric bikes?

1, By IoT devices,there's QR locking and unlocking system with gps tracking system in your e-bikes fleet;

2, By IoT devices,auto lock and unlock so that users can rent the ebikes conveniently and easily;

3, Work with cloud platform and it's beneficial for vehicles rental companies and riders;

4, High water resistant level,IPX7,keep working well in rainy days;

5, Very importantly,the devices are built-in IoT technology,ebikes not only come with gps tracking system,but also Ble connection,4G communication,the ebikes become intelligent for different applications.

OMNI IOT Device
For Smart Mobility

OMNI IOT integrates functions such as QR code lock & unlock, location, tracking, info collection reporting, control and audio broadcasting. Comprehensively match the shared rental business.

What are application scenarios for ebikes with iot devices?

Electric bikes (e-bikes) integrated with IoT devices offer numerous application scenarios across various industries and use cases.
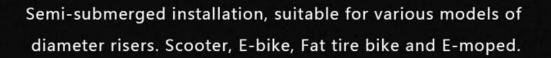
1, bike-sharing programs in urban areas

2, last-mile delivery services in urban centers

3, In tourist destinations

4, Urban Commuting

5, Fleet Management for Businesses

6, Campus and Corporate Mobility

7, Emergency Response and Public Safety

8, Environmental Monitoring

9, Elderly and Mobility Assistance

The IoT device can monitor the ebikes in real-time,all is automatic management without manual inspection.

It is a semi-embedded design and already passed 10000+ tests.

Omni specializes in iot devices and cloud platform development.Omni's ebike APP and ebike software like backend is ready to be rental for ebikes sharing or rental projects.Or,Omni can customize software solutions for all customers worldwide.

Semi-submerged installation, suitable for various models of diameter risers. Scooter, E-bike, Fat tire bike and E-moped.
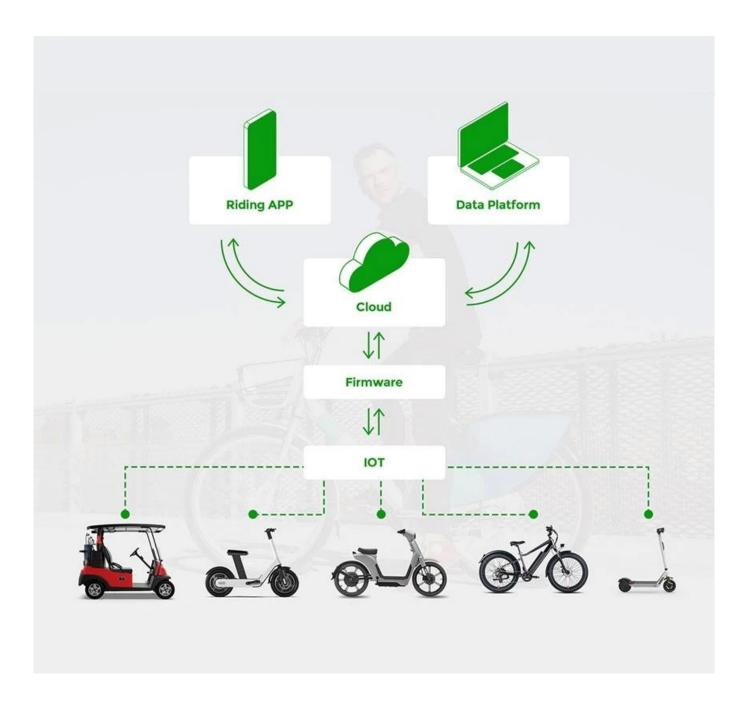
Semi-submerged installation

Scooter

E-bike

Fat tire bike

There're many more other designs of iot devices and iot solutions for ebikes fleet.OEM & ODM services supported.

Omni-Ebike Smart location solutions

② D504

③ 4G meter

④ M136

☑ Local Geo–fence Solution

☑ L1/L5 GNSS &Inertial Navigation Solution

☑ 4G/BLE communication

☑ OTAupdate

☑ Semi–flush mounting

☑ Real–time location

☑ HD voice broadcast

☑ Attitude detection

① Locators

⑤ D128