

OMNI scooter display and ebike display with built-in IoT technology

The data and instruction of speed, battery level, gear, front light status is indicated on the display device. This smart device is widely used in mobility for light electric vehicles, fleet manufacturers, electric scooters sharing or rental business, ebikes rental projects.

Use 4G/BLE Communication Methods

Real-time monitoring: battery level/lock unlock status/
networking information/alarming/fault details



4G

BLE

There're 3 application schemes of this ebike display and scooter display.

- 1, Use Omni's entire product with full functionality
- 2, Reduced cost, just use some of the features of this display device
- 3, Only for data display with speed,battery level,gear,front light status or not,no gps location and tracking,no 4G and Bluetooth connection and other iot technology.

3 Solutions for different applications



1

Full functionality

2

Partially
functional option



3

Only displaying

The instrument can be paired with
other IoT devices and is controllable.

The display device is flexible for different tube size of electric scooters and electric bikes.

OEM and OEM services supported, OMNI can design and create a new smart display or smart phone applications if needed.



Wireless Charging Phone Holder

A phone holder with wireless charging capability
Bringing more convenience to cycling.



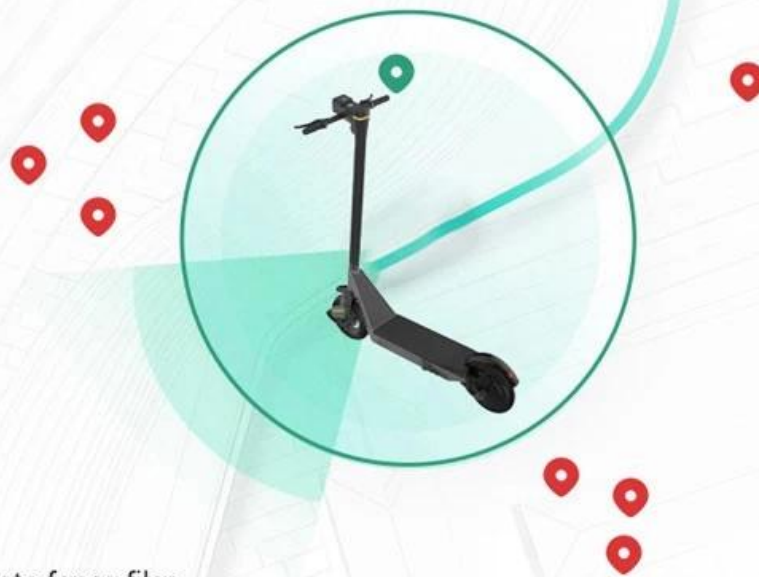
Local Geo Fence

Through IoT tech, it calculates entry and exit from the fence. Automatically enforces speed limits, and prohibits riding, etc.

Generated a geo-fence in server.

Geo-fence services:

- 1, Getting reports riders entering or exiting a geo-fence
- 2, Locking prohibited riders entering or exiting a geo-fence
- 3, No riding allowed riders entering or exiting a geo-fence
- 4, Speed limits riders entering or exiting a geo-fence
- 5, Voice alerts riders entering or exiting a geo-fence



Generate fence files.

Generate fence files in the server background, send the fence file to IoT, IoT parses file and implements, the green circled area is the entry and exit Fence test site, enter the fence to limit the speed, and the speed restored after exiting the fence, and the voice alerts as well.

GPS High-precise Location

L1/L5 GNSS dual-frequency global satellite positioning technology, effectively enhances the positioning accuracy of receivers.

