

Bikonnnect IoT Solution



Smart Upgrad Service for LEV



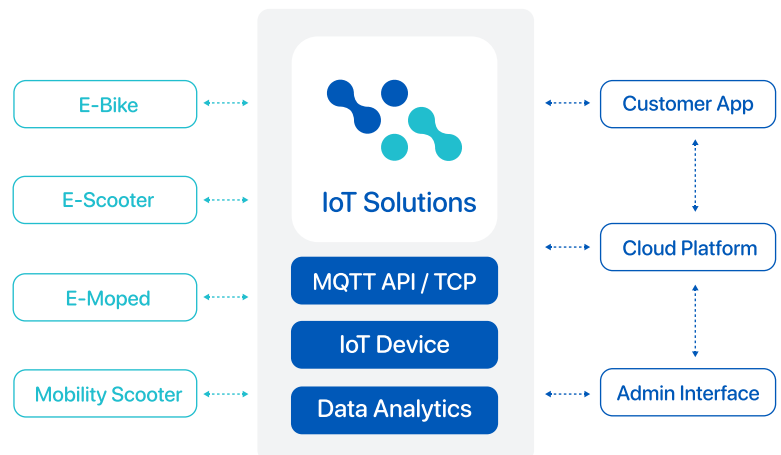
We provide the IoT solutions for LEV manufacturers/brand owners and sharing/rental operators

Bikonnnect provides IoT system integration and smart upgrade services for micro-mobility vehicles and can integrate electric scooters, electric-assisted bicycles, light motorcycles, and other light electric vehicles.

By integrating with LEV and smart devices, Bikonnnect collects vehicle data in real-time and creates related applications. Whether you are operating vehicle sales or leasing services, you can find tailored IoT integration solutions here to help strengthen your business development and also improve user experience

Bikonnnect IoT integration structure

Bikonnnect provides vertical integration service including hardware, firmware, software, and cloud backend, and support for custom integration for different bike models and LEV systems.



Anti-theft & location tracking to increase vehicle safety

Through IoT integration, vehicle positioning functions and unauthorized vehicle movement alarms are added to reduce the risk of theft and make users feel peace of mind

Add value to the riding experience and enhance customer loyalty

It can record riding history and set low battery reminders to provide users with more considerate and personalized services.

Establish the communication channel and strengthen customer interaction

You can interact directly with customers through the App and provide customers with vehicle maintenance reminder, system diagnosis and updates, etc. to improve service quality.

Real-time monitoring of the fleet to improve operation and management efficiency

Thanks to the benefits of the IoT and integration with vehicle systems, we can increase the efficiency of vehicle dispatching, maintenance, customer service, and problem diagnosis, and shorten the vehicle downtime

Diverse integrated solutions to match your business goals

Bikonnnect solutions provide a variety of operating models such as sharing, subscription, and long-term rental, and can provide adapted IoT solutions according to different vehicle use scenarios.



Standard



ODM/Custom version

* We offer an ODM version to have a best-tailored solution for you

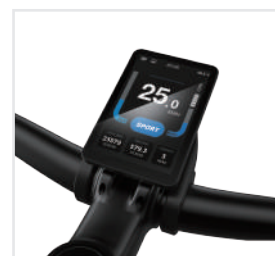
Reference Product 1

Smart Control Panel (embedded SoC)
for bike sharing/rental operation



Reference Product 2

Smart HMI
with embedded IoT



Bikonnnect IoT Device 2.0 Specification

Model	MS2216C
Input power range	5~48 DCV
Wireless Connectivity	LTE Cat 1, BT
Frequency Band	LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/ B19/B20/B25/B26 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8 GNSS: L1
GNSS Positioning	Supports GPS, GLONASS, BDS
GNSS Positioning Accuracy	<2.5m @Open sky
G-sensor	Yes
SIM	Nano SIM, eSIM (Chip)
Communication Interface for LEV	CAN Bus 2.0
Internet Communication Protocol	MQTT, HTTP/HTTPS
Attached Battery	1000mAh (Rechargeable)
Cable Connector (External)	4-pins,male type (CAN_H, CAN_L, P+, GND) Cable length: about 100mm
Enclosure	Product shel: PC + ABS Dimension: 120.2m *81.3mm*19.4mm IP Rating: IPX6

