Bikonnect

EV-Micromobility Solution Provider

Connect Your Bike, Ride the Future

The Bikonnect "E-Bike Data Service Solution" provided by Microprogram enhances E-Bike cyclist experience and bike brand service value with IoT and Big Data to make smart technologies improve global competition for E-Bike. E-Bike data service has combined E-Bike Computer, IoT Device and E-Bike App, which can collect cyclists' real-time dynamic cycling data to the Cycling Data Platform for bike brands or component manufacturers. Through cyclists' data to assist the brand's business decision-making, the E-Bike digital upgrades practically to create more added value for the brand owner. For cyclists, a series of smart bike products, including E-Bike Computer and E-Bike App, make the cyclists' experience more intelligent and convenient, reaching a win-win situation for cyclists, bike brands, dealers and component manufacturers.

E-Bike Computer

- Connected to E-Bike App with Bluetooth
- Display E-Bike cycling data
- Update the firmware with Bluetooth and E-Bike App
- CAN Bus / CANopen communication interface
- Certifications : EN15194 / ISO 13849-1, CE, FCC...

IoT Device

- Real-time update E-Bike data to the cloud
- Bike GPS and anti-theft tracking
- Integrated real-time connectivity of SIM card
- Support OTA firmware update of device and have a built-in lithium battery
- Integration with E-Bike system via CAN Bus

Smart Lock for E-Bike

- Smart electronic lock specially designed for E-Bike
- With CAN Bus communication interface for integration with E-Bike system or IoT/connectivity device
- Lock/unlock operation via App
- Integrated RFID function, lock/unlock operation by RFID Tag
- With additional chain/cable lock function

E-Bike App

- Synchronize the E-Bike cycling data and save your rides
- Anti-theft, remote tracking and real-time connectivity cloud service with IoT device
- Diagnose the E-Bike system health or update the system SW for improvements
- Automated service notifications
- Integrate with smart lock for locking control via App

  White label version, customization options available

Data Transmission & Firmware Update

E-Lock ←CAN Bus→ E-Bike

CAN Bus → IoT Device ←Internet→ Cycling Data Platform

CAN Bus → E-Bike Computer ←Bluetooth→ E-Bike App