

# EV-Micro mobility 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



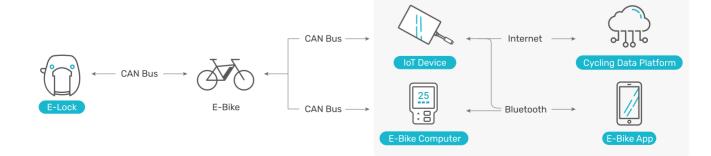
# **Smart Lock for E-Bike**

- 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 deviceDiagnose 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



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