

Bicycle Sharing System and Bike Lock with Alarm

GPS bike lock (GPS+GPRS), could be unlocked by mobile APP, backend management system control, or SMS command. Omni also has bike sharing app and mini program for riders or users. Users can scan the QR code produced by smart bike lock manufacturers or fleet sharing bicycle manufacturers via the mobile APP. It will upload the position and power status by GPRS through technology.

Mobile APP transfers the data to server, the server sends unlock command to the GPS bike lock, then users could unlock the sharing bicycles easily. Or the sharing vehicles can be unlocked through the backend management system with GPS remote control or SMS command. To sum up, there're many unlocking methods for bike sharing projects.

Product Display



Chain



GPS+GPRS

Precision positioning via communication base, GPS, and Wi-Fi signal in GSM communication network



GPS Positioning



Automatic & scan code to unlock



IP6 Waterproof



Stable & Durable hardware



OTA

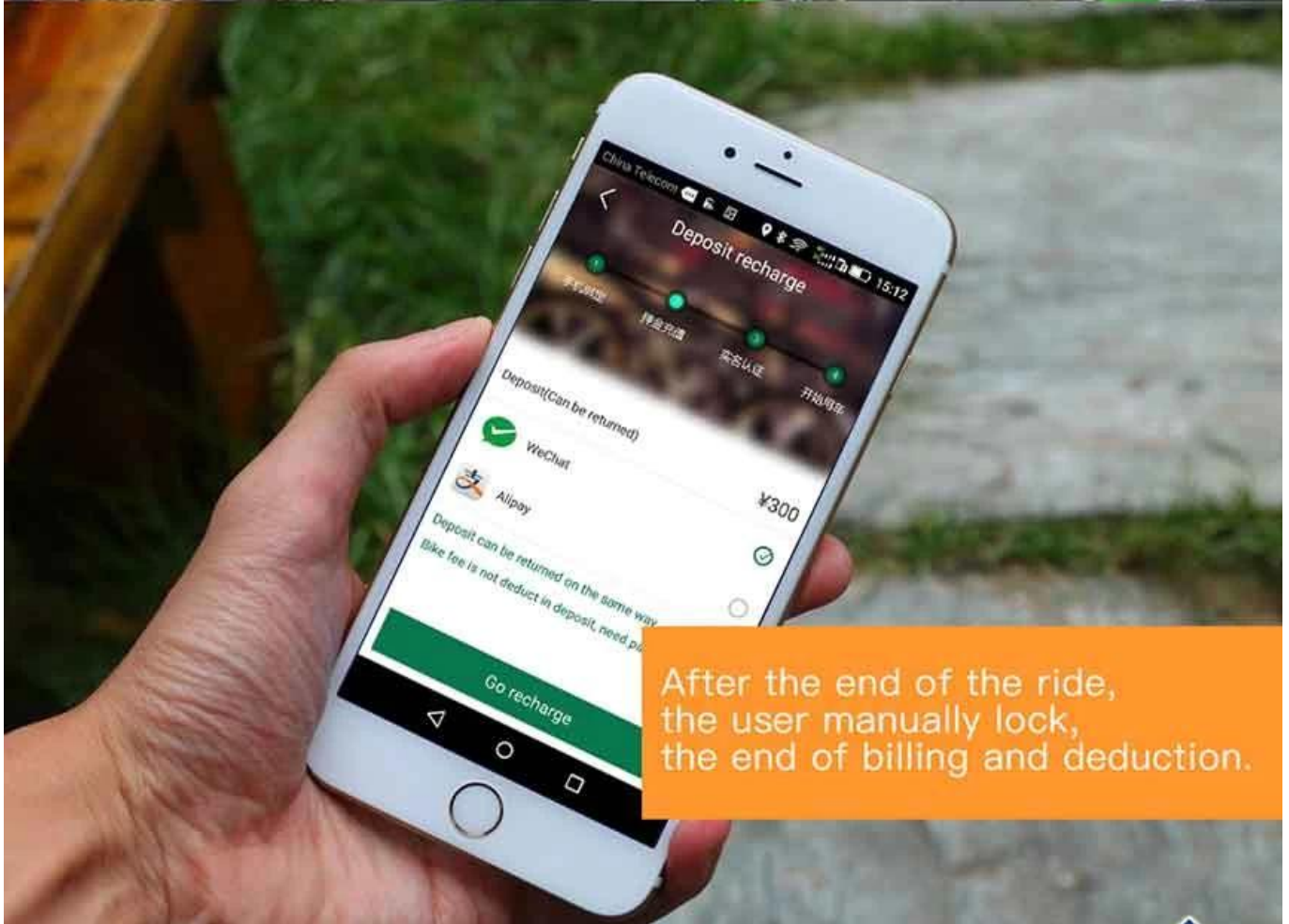


Efficient Unlocking

It's also a [bike lock with alarm](#). The gps bike lock sends alerts when someone wants to steal it or use it under the locking status. And server can receive the alarming and send it to backend. The ride share companies will get the notifications ASAP.



Lock unlock the lock after the completion of the successful return to the server, the server began billing



After the end of the ride, the user manually lock, the end of billing and deduction.



Weight: 1.2KG





External Power: Solar Panel on the bike



Al alloy shell,
10mm stainless steel circle,
sealed plastic box inside

IP67

(completely dust-proof,
rain-proof, soak 30min.)



Over 100,000 times endurance test
with different circumstances.

Product Specification

Product Name	OGG1(chain model)	Unlock Method	GPRS
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Brand	Omni	GPS	Equipped with GSM communication network, through base station, GPS, precision positioning
Material	Aluminium alloy	GPRS band	GSM850Mhz, EGSM900Mhz, DCS1800Mhz, PCS1900Mhz
Size	196*150*65mm(±3mm)	GPRS	Data communication, support SMS Control
Unit Weight	1.2KG	Alarm	Shake, shock, move or vibrate alarm
Color	Black, Yellow, Orange, Green, Blue	Led light	Red, Blue
Battery	Li-polymer battery	Protection Grade	IP67
Working time	2-3months(Optional)	Storage Temperature	-40 - +85°C
Standby time	5-12months(Optional)	Work Temperature	-20 - +65°C
Power consumption	2~3 mA	Humidity	5%-95%RH

Product Features

Basic Feature	Vehicle status management	Vehicle number, vehicle status, delivery time, use time, number of times, number of repairs, etc.
	Power monitoring	
	GSM traffic monitoring	
	Vehicle trajectory	
	Lock position	
Unlock	GPRS network unlock	
Unlock Mode	Sweep code unlock	
Vehicle Use	Reservation vehicle, nearby vehicle search	
Vehicle Fault Handling	Fault reporting, fault repair	
Electronic Fence	Advertising fence	
	Operating fence	
	Parking fence	
Charging Mode	5V / 1A calorie charge	(Optional)
	Solar charge	
Remote Upgrade	Support wireless upgrade through phone	
Order Management	Deposit order, recharge order, bike order	
Abnormal Management	Over the surrounding vehicles, maintenance vehicles list	

Operation and Management	User fault feedback, illegal reporting, abnormal alarm list	
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Custom Question

Q: How to become Omni's distributor?

A: Distributor shall have related resources of product, market, customer, and technical support engineer. A specific Annual Sales shall be negotiated and confirmed by signing agency agreement between both parties.

Q: OEM, ODM Service is available?

A: Omni could offer customers ODM&OEM products, better support and service.

Q: How about lead-time for bulk quantity?

A: Usually it takes about 2 weeks.

Q: Compared with peer competitors, what is the advantage of Omni?

A: a. Focus on production. From product R&D, production to testing adopt high standards, strictly control the quality of products to ensure that they reach the top level.

b. New products available continuously, with strong R&D team of 40 engineers.

c. Mature experience & Strong ODM& OEM service.

d. Delivery on time, it is lower than 5% delay delivery in the past 10 years.

e. Good technical support, online & onsite technical support in time.

Q: What are solutions of Omni?

A: We provide solutions such as sharing bike lock system, sharing parking system, E-bike smart system.

Company introduction

Shenzhen Omni Intelligent Technology Co., Ltd. is located in Shenzhen Lianchuang Technical Zone, a national high-tech enterprise specializing in R&D, production and sales of intelligent transportation series and smart home

products,integrating hardware and software development.Omni products have been popular in over 100 countries and regions around the world.

Omni insists on the faith of technology creation,product update,professional service.provide the highest quality products and services for the global smart transportation market and smart home market.

- More than 30 inventions and related patents
- More than 40 R&D technicians
- More than 4,000 square meters for office and production site
- Hardware + Software + Production one-stop customization service



Flow chart



Workshop



Exhibition



Package



R&D Team



Sale Team



Business Negotiations



Shipping