



# BL10

## Smart Bike-sharing GPS Lock



### GPS/WIFI/LBS Positioning

Faster searching & locating speed realizes more accurate bike locating



### Geo-fence

Create virtual barrier to define geographical boundaries



### Long battery life

10000mAh battery and intelligent power management ensure 45 days work time



### Powered by solar energy

Mono-crystalline silicon solar panels provide solar-energy conversion



### Stable & durable hardware

100,000 locking and unlocking tests witness its stable performance



### IPX6 water proof

Able to withstand inclement weather conditions



### OTA

Easy to update the GPS lock remotely



### Efficient unlocking

GPRS & BLE technology ensures efficient and reliable unlocking

## Application



Public places



Campus



National park

## GSM Specification

CPU	CPU MTK2503, dominant frequency 260MHz
Communication mode	GSM
GSM frequency	850/900/1800/1900MHz
GPRS	Class 12, TCP/IP
Memory	64Mb
Phrase error	RMSPE<5, PPE<20
Max output	GSM850/GSM900:33±3dBm, GSM1800/GSM1900:30±3dBm
Max frequency error	±0.1ppm
Receive sensitivity	Class II RBER2% (-102dBm)

## GPS Specification

Chip	MTK high sensitivity GPS chips
Frequency	GPS L1, 1575.42MHz
channel	66
Location accuracy	5-10meters
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg.hot start≤1sec Avg.cold start≤32sec GNSS:≤10sec

## Main Specification

Wi-Fi location accuracy	3-50meters
Bluetooth	CSR BLE 4.0
iBeacon location accuracy	1-10meters
G-Sensor	BMA 250E
Antenna	Built-in quad band GSM antenna, 25 x 25 x 4mm GPS ceramic antenna
Battery	10000mAh (Built-in 3.7V/2500mAh x 4 bytes 18650)
Charging	Solar energy (6V/5W)
Avg working current	About 60mA
Avg standby current	About 4mA
Working condition	Temperature:-20°C-60°C Humidity:5%-95% non-condensing
Waterproof grade	IPX6

## Contact

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