



BL10

Smart Bike-sharing GPS Lock



GPS/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
TTFF (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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