

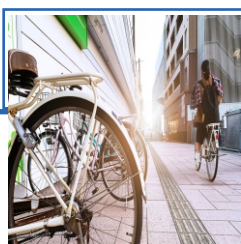


BL10

Smart Bike-sharing GPS Lock

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|---|---|
| <p>➤ GPS/WIFI/LBS Positioning
Faster searching & locating speed realizes more accurate bike locating</p> | <p>➤ Geo-fence
Create virtual barrier to define geographical boundaries</p> |
| <p>➤ Long battery life
10000mAh battery and intelligent power management ensure 45 days work time</p> | <p>➤ Powered by solar energy
Mono-crystalline silicon solar panels provide solar-energy conversion</p> |
| <p>➤ Stable & durable hardware
100,000 locking and unlocking tests witness its stable performance</p> | <p>➤ IPX6 water proof
Able to withstand inclement weather conditions</p> |
| <p>➤ OTA
Easy to update the GPS lock remotely</p> | <p>➤ Efficient unlocking
GPRS & BLE technology ensures efficient and reliable unlocking</p> |

Application



Public places



Campus



National park

Gsm specifications

CPU	CPU MTK2503, dominant frequency 260MHz
Communication mode	GSM
GSM frequency	850/900/1800/1900 MHz
GPRS	Class 12, TCP/IP
Memory	32+32Mb
Phase 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 specifications

GPS chipset	MTK high sensitivity chip
Frequency	L1, 1575.42MHz C/A code
GPS 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

Function & package

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

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