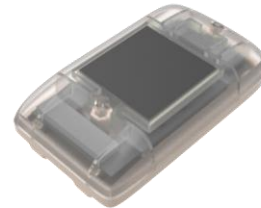


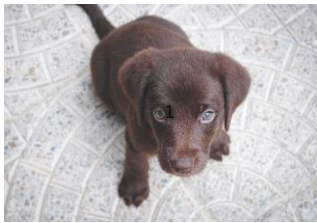
Solar Powered Tiny GPS Tracker

Model: LCA01

Most IoT devices are facing difficulties to balance tiny size, light weight, long battery duration, and no recharging, totally waterproof, flexible network, accurate GPS location, costs, etc. While, LCA01 solved all of these requirements exactly, being a perfect choice to keep an eye on our beloveds or assets.



MARKET APPLICATIONS



Pets



Bikes



Birds



Kids

MAIN FEATURES

Built-in International Roaming e-SIM

International traveling will be easily supported

High Sensitivity Solar Chipset

PV conversion efficiency up to 30%

Sealed by ASA/PC material

Was selected out of 3000 categories, in order to secure devices's survival from harsh environments

Built-in Battery 55mAh

In full power without recharging, the device could upload 80+ GPS locations

Open to Be Integrated

Its communication protocol had been widely supported by 100+ platforms worldwide

Smart Working Modes

Intelligently changing upload frequency based on battery power voltage

Waterproof

7ATM pressure, long-term seawater corrosion or continuous ultraviolet exposure

Up to 5,000 Data Storage Capability

with multi-dimension data combinations including Latitude, Longitude, Altitude, Speed, Course, Light Intensity, Voltage, etc.

Tiny Size, Light Weight

43 mm x 25 mm x 12 mm, only 8.5g

OTA

GSM SPECIFICATIONS

GSM frequency	GSM/GPRS network, Quad-band, 850/900/1800/1900
GPRS	Class 12, TCP/IP
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

Chipset	MTK 2503
RF Channel	GPS / Beidou
Location accuracy	<=5 meters
Tracking sensitivity	-162dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start≤1sec
	Avg. cold start≤32sec

OTHERS

Memory	5,000 data
SIM Card	Built-in e-Sim
Material	ASA/PC
Wearing Methods	Collar, Keychain
Sensor	Built-in G-Sensor
Waterproof	7 ATM (70 meters under freshwater)
Power Supply	30% at max.
Battery	55 mAh
Operating temperature	-20°C ~ 60°C (15°C ~ 35°C recommended for stock)
Size	43 mm x 25 mm x 12 mm
Weight	8.5g