



2G RFID GPS E LOCK

Model: traQlock-A1P
Product Manual



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1、 Product overview

This product is an intelligent tracking and positioning lock used to ensure the safety of logistics freight assets. It has keyless design, RFID/remote unlocking; Large capacity battery, long working time; Built-in wireless communication module, real-time online monitoring; Built-in GPS module, global positioning tracking; Security monitoring, illegal unlocking alarm and other functions. Suitable for remote monitoring of containers, flatbed vehicles, box truck management, etc.

Main function:

- Communication
- Location
- RFID swipe card unlock
- Long standby
- Remote upgrade
- Cable cutting alarm
- Low power alarm
- SIM card cover alarm
- Unlock/Lock alarm
- Charging

2、 Safety Requirements

Please read the brief guidelines, otherwise it may be dangerous and illegal, please read the full text for more information.

Proper connection When the device is connected, follow the instructions and install it correctly. Do not connect with other incompatible devices

Qualified parts Use original accessories, qualified batteries and other



peripheral parts

Safe driving The driver should not operate the equipment while driving

Legal installation Only professionals can install and repair this equipment

3、Product specification

Type	Item	Parameter	Remark
Basic information	colour	black	
	material	PC	No flame retardant, no UV spray
	size	209*115*51mm	
	weight	1150g	
	level of protection	IP67	
	indicator light	GSM\GPS\CHG\LOCK indicator light	
	charging	DC interface voltage: 5V; Current: 2A	
	Communication module	GSM: 800/900/1800/1900 MHZ	
Positioning	Positioning mode	GPS/BDS	
	Positioning accuracy	<2.5 CEP	
	Acquisition sensitivity	-145dBm	
	Tracking sensitivity	-158dBm	
	Cold start time	35s	
	Hot start time	1s	
Unlocking mode	RFID swipe card	Swiping distance: <25mm	support
	Fingerprint recognition		nonsupport
	Bluetooth		nonsupport
	Remote instruction		support
	Mechanical unlocking		nonsupport
Environment temperature	Operating temperature	-30°C~+70°C;	
	Storage temperature	-40°C~85°C	
voltage	Operating voltage	3.0~4.2V	
working voltage	normal	80mA	
	standby	1.6mA	
Battery	Main battery (polymer lithium battery)	Battery capacity: 15200mAh; The data is uploaded once in 10 minutes, and the working time is about 30 days.	
Storage	NAND Flash	32MBit	Support blind area re-transmission data >3800.
Upgrades	Serial upgrade	Direct burning	
	Remote Upgrade (FTP)	support	
Locking force	Lock rod seal resistance	>1000kg	



4、 Product introduction

4.1 Product appearance drawing

