要求： 285X160mm　封面用350g双铜+过哑膜+内页有200g双铜+4C+骑马钉

Photos and information of products in the picture album are for your reference only and they may not reflect the actual products. Our ablums and products are subject to change without prior notice.

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DiTa dog

The pioneer of home security private space authentication

DiTa dog 3 product manuals

Shenzhen DiTa Technology Co.,Ltd
www.dita.com

The pioneer of home security	private space authentication
The pioneer of home security	private space authentication

About Us



Shenzhen DiTa Technology Co., Limited was founded in 3, 2016, which is incubated by Sebury Technology Co., LTd who is builder of leading brand of metal access control system in China and also a subsidiary of Tonren Group. Shenzhen DiTa is a technical service operator of home security & AI ultimate solution, has market-oriented professional R&D team, supply chain management team and marketing team. DiTa dog is core product also a coveted lock for home & office security field. It completely solves the problem for authentication and authorization of accessing personal space and is access controller for future AI home security. Along with systemic & intelligent technology implanted, we will launch updated and suitable product in the future and bring smart home to revolution. Market prospect is bright and infinite.

Tongren Group International Co. Ltd. is a company with future-oriented & strong mission, dedicate in Environmental protection, Intelligent and Health field. Take consensus core value as foundation, through cellulous organization to gather information, talents, technology, resource channels, products and services; construct operation and evolutionary system to develop, accelerate incubation efforts and drive practice; based on tactics of Strategy & Empowerment & Guarantee to exploit invisible resource and create social value.

Tongren Group includes Tongren Fang which a cellular organization possesses powerful algorithm, rebuilding & analyzing order, driving knowledge revolution; strategic unit with core intellectual property embedded and intergrowth development operational team. Under the call of revitalization of China and doing business creatively & innovatively, as well as powerful corporation culture to drive strategy and execution so as to form multi-drive, we can build a platform to guide striver & entrepreneur & partner being forward-looking while being down-to-earth and create a passionate new era and share glorious years.

Our Values: Tongren spirit & Qianyu culture

Tongren spirit: respect knowledge & personality, unity in diversity and mutual penetration of opposites.

Qianyu culture: everyone knows his position and keeps moving towards his mission or goal; communicate with the outside world in a positive & pleasant mood.

Mission: Build a platform for striver, entrepreneur and partner.

Goal: Market is centre, striver is foundation and mentor is guide. Keep working hard & carrying out self-criticism. With magnanimous and mutual-progress vision, constantly merge superior social resource and multi-dimensional partnership mechanism to fulfill every elite's dream under guide of core value.

Pursuit: Strategy, Empowerment, Guarantee
Team, Technology, Mode
Result, Efficiency, Analyzation

Use all these tactics to provide a platform for striver, entrepreneur and partner; To develop a company structure, organization mode and obligations & Rights like citizenship of Rome.

Spirit: Continuously gather capacity of group and achieve social value through objective, market segmentation and responsibility.

Culture: Respect individual's personality; Take responsibility to practice innovation; Promote company development and cultural accumulation.

Quality: Believe in yourself that your dream can come true, excellent organization ability, persistent craftsman's spirit, and mutual assistant & mutual benefit collectivism.

Path: Be forward-looking while be down-to-earth.

The Adoption of Advanced Management System:

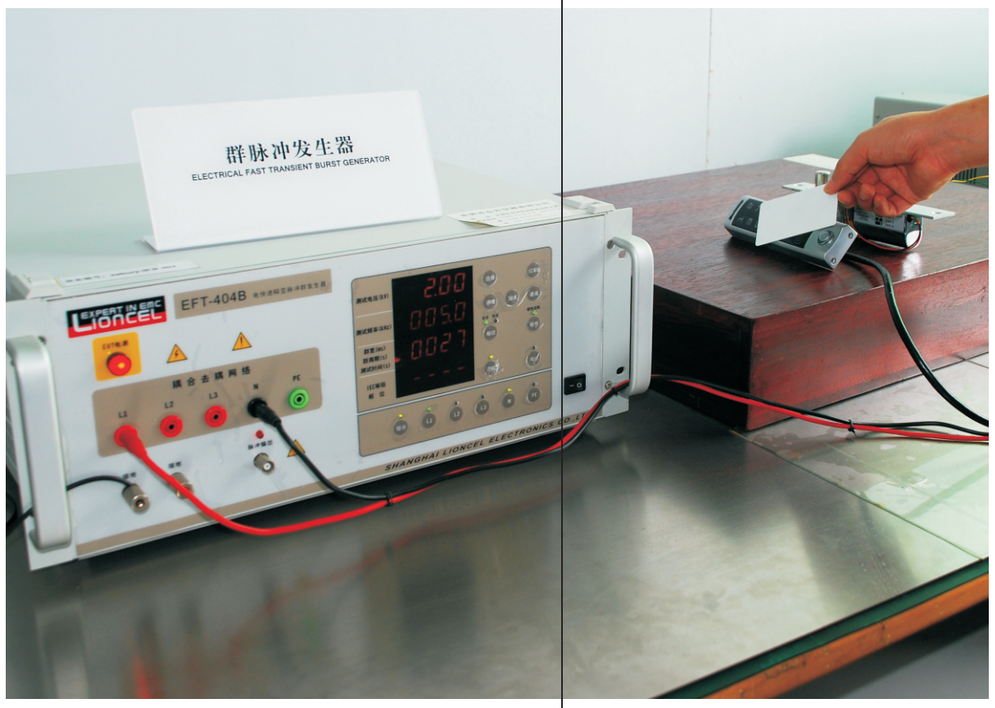
- ERP Management System
- Strict Implementation of International Quality Management System
- EU CE and Many Other National and International Standards

Five Detection and Control:

- Incoming Inspection
- Semi Detection
- Online Testing
- Test Frame Detection
- Aging Testing

Eight Test Means:

- High Temperature Test
- Low Temperature Test
- Temperature Test
- Salt Spray Test
- Pressure Test
- Group Pulse Test
- Electrostatic Discharge Test
- Lightning Surge Test



Our demanding product performance standards can meet your pursuit of high-quality products.

Test Equipment











	1	
	2	
3	4	5
	6	

1. Lightning Surge Generator
2. Electrostatic Immunity Tester
3. Electrical Fast Transient Burst Generator
4. Hi-pot Tester
5. Salt Spray Test Machine
6. Programmable Temper Ature And Humidity Tester



Enterprise Qualifications

Has applied for 9 patents	1 National Invention Patent
	3 Utility model patents
	2 Appearance patents
	3 Software copyright

1. Own full intelligent property right, access controller of smart home security system.
2. Wireless, with battery, Dual isolated control system design, super encryption.
3. Appearance and structure use exellence process, best technology, relaible quality.
4. Full metal shell anti-vandal design,wireless anti-interference technology.

Market discovery

Actuality and Weakness

A: Actuality: Every family gate like a bank card divulged the password.



According to official statistics,every year illegal entry theft cause by the economic loss of more than 120 billion dollars in a country, thereinto, more than half losses were caused by the lock technology to unlock the door.

B: Actuality: Illegal entry crime has become public hazard for a country.

CCTV major media and local media frequently report news about housebreaking burglary, robbery and murder etc. The reason is security doors not security and crime tools can be bought online or everywhere.





Here are some case for reference:

1. Through peep hole unlock. (20 seconds.)



Turning



Pull out



Cleek push through the hole



Push handle
downward to unlock

2. Keyhole unlock.(3 seconds)



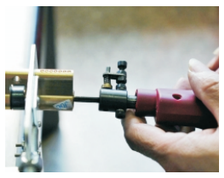
Tinfoil unlock



Technical unlock



Technical unlock

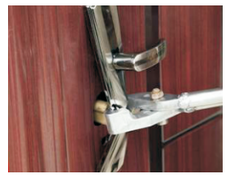


Lock bumping gun

3. Panel Unlock, 60 seconds



Breaking the lock
with locking pliers



The key cylinder
is exposed to outside



Pull out the lock core



Forced twist off

C: Weakness is that currently security door is not security.

The traditional locks, cannot completely solve the security problem.

For the traditional mechnical lock, intelligent electronic lock with keyhole and key cylinder, burglar can break in with their practical skill or just violence unlock the door easily. Meanwhile, these locks not only can't secure property inside but also with high cost of installation. The biggest problem is they need professional technician to install and itself brings huge hidden danger as we all know who install it who can open it.

Future lock should be solid and reliable, network control, convenient installation and moderate cost.

Considering the weakness for all current access controller, intelligent fingerpint electronic lock and mechanical locks, to develop a lock which can be use for both home and business premises, a real protection security wireless split smart lock is the futrue direction.

Our team focused for standalone access control 14 years.

After 5 years technical study, we finished all preparatory works for Dita dog project, the greatest characteristics for DiTa dog design are no keyhole, lock installed inside, can't see outside , DIY installation, completely abandoned lock hazards brought by traditional locks.

Market discovery

Solution-Dita dog provides you private space authentication.

Market Demand	Demands for Reliable and durable	① Avoid the trouble that forget to close the door when you leave home	Dita dog 3 is the real insurance for " my place my control"
		② Don't need to worry be stolen when you are outside.	
		③ Don't need to concern if the door is double locked when you are going to sleep in the night	
		④ Demands for smart home in the future	
	Demands for easy installation	① Easy installation: Wireless,avoid wiring,no holes. Controllable installation time:1-10 minutes	
		② Can be installed on all the doors in the market (Security door, gate,inside door, wardrobe door,safety box etc.)	
	Demands for Intelligent and interconnecting	① Demands for becoming control platform in the future. ②	

Market Situation	① Single product,unreliable function, Serious homogenization, lack of innovation
	② Can only be installed in specific doors, complicated installation and high cost, need professional installer.

Issue: we need a smart product which is reliable, network control, easy installation and moderate price.

Solution:Dita dog

Wireless split smart lock + **Network**

Market value

Empty market brings huge opportunity

Since internet and AI technology become maturer, a comprehensive upgrade for lock industry is coming, and a trillions of empty mareket starts to show up.



A、Market vacancy

Because of various defects ,traditional locks will have a comprehensive upgrade.Wireless ,split smart lock will fill this market vacancy with its advantages like reliability, convenience, intelligence and moderate price.

B、Smart Home

Since AI technology becomes maturer, the eye of whirlwind of smart home construction is in formative period. Intelligent security lock as a rigid demand will be an entrance. It is for 400 million families in China with extensive market prospect.

C、Global Outlook

A quintuple amount of Chinese families makes it a bright future.

The eye of whirlwind of smart home construction is coming.



Products Center

Dita dog 3

Wireless encryption

Dual isolated operation system

Accessing by fingerprint

No need to drill holes

Easy to install by yourselves







Products Center

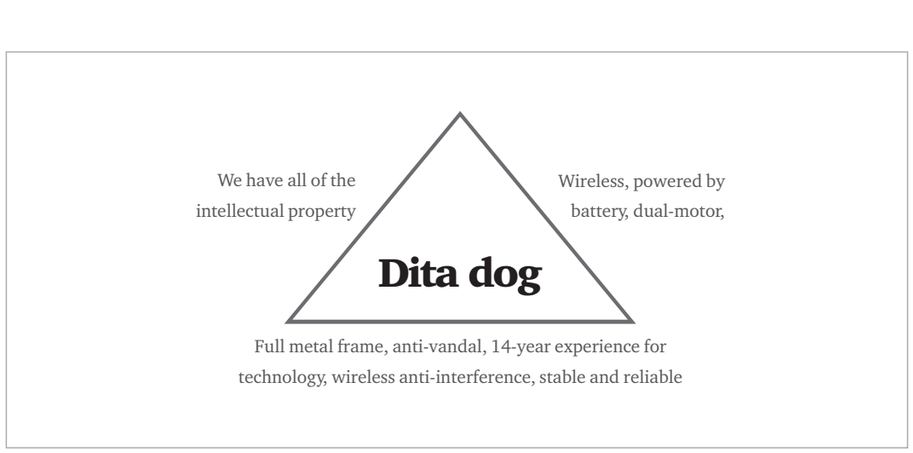
Product center

Introduction



DT301 DT302 DT303

The core product dita dog, wireless fingerprint access control, is a subversiveness product. Fingerprint access, back-up operation system, wireless, DIY.



Instruction

1. Host, finger pinter reader and remote control: wireless communication and encryption.
2. Failure Emergency unlock: Dual isolated operation system design, safe and reliable.
3. Automatic locking: sening then lock.
4. Mode for access: fingerprint, remote control, APP .
5. Intelligent management: set master fingrprint, can add and delete other user fingerprint.
6. Can work with smart home system. Can access by APP .

Features and parameters

Specifications

1. Host

Frequency: 2.4G
Unlock mode: Fingerprint, Remote control
Input Voltage: 2pcs NO.5 Alkaline battery (3V)
Working current: 100mA
Static work current: <20uA
Battery working life: If unlock 20 times a day, can be use more than 6 months.
Sensing distance: ⩾3 meters
Working Temperature: -20˚C ~ 60˚C
Working Humidity: 25%~80%
Bolt shift distance: 12MM
Size: 95 x 150 x 39mm
Net weight: 750 g

2. Fingerprint reader

Frequency: 2.4G
Input Voltage: 3pcs NO.5 Alkaline battery (4.5V)
Working current: 100mA
Static work current: <20uA
Battery working life: If unlock 20 times a day, can be use more than 12 months.
Sensing distance: ⩾3 meters
Fingerprint Verification
Fingerprint verification speed: ＜1 sec
Fingerprint detect time: ＜1 sec
Fingerprint FAR: ＜0.0000256%
Fingerprint FRR: ＜0.0198%
Working Temperature: -20˚C ~ 60˚C
Working Humidity: 25%~80%
Size: 120 x 82 x 29mm
Net weight: 405 g

3. Remote control

Frequency: 2.4GHz
Input Voltage: 12V 27A Alkaline battery 1 pcs
Battery working life: If use 20 times a day, can be use more than 12 months.
Working Temperature: -20˚C ~ 60˚C
Working Humidity: 25%~ 80%
Sensing distance: ⩾1meter
Size: 58 x 33 x 15mm
Net weight: 50g

Products Center

Features and Advantages

Features

1. No need key, fingerprint unlock the door, dual isolated operation system design: End the history of “can’t open the door and go for locksmith”, truly realize “my place, my control” and make home a safe bay.
2. Dual linkage; Metal structure; Anti-vandal and strong.
3. DIY installation, suit for all doors and convenient: can set as per user’s private need and lock the door.

Advantages

1. Anti technical unlocking: No key hole, burglar’s skill not working here.
2. Convenience and multiple ways to open door: fingerprint, remote control, App. No need key, no matter how late you are back home won’t wake families up.
3. Security and reliable: Avoid the trouble that forgot to close the door when you leave home. Don’t need to worry be stolen when you are outside. Don’t need to concern if the door is double locked when you are going to bed in the night. Worry locksmith or lock installer to open door.