COMPANY PRESENTATION

Trudian

Touch the future, light up life.

01

WHO
IS
TRUDIAN

ABOUT TRUDIAN

Guangdong Trudian Technology Co., Ltd., founded in **2015** (hereinafter referred to as **Trudian**), is a distinguished high-tech enterprise specializing in smart community security products and solutions. The company offers comprehensive services, including innovative design, cutting-edge research and development, efficient production, seamless sales, and exceptional customer support. With a steadfast commitment to excellence, Trudian hasconsistently held its position as a pioneering leader in China's smart community security industry. We have certified with **ISO9001** & **ISO14001** (SGS) international standards and **TÜV** certification by German TÜV Rheinland company, boasted formidable technology capabilities and ranked among the **Top 10** building intercom security brands in China.

ABOUT TRUDIAN

Trudian is affiliated to **Guangdong Farbell Group**, which was established in **1992**. Located in **Zhongshan** City, **Guangdong** Province, the hometown of the eminent Sun Yat-sen, Trudian stands as a prominent center of revolutionary technology. The company's core mission focuses on the innovation of software and hardware for smart community security solutions. Our product portfolio encompasses a diverse range, including **video intercom, access control, smart lock, PoE switch** and a variety of ODM & OEM security products tailored to meet a broad spectrum of customer requirements. Furthermore, we offer a suite of complementary software applications, including **Trudian phone App, Trudian Community Management Center Platform,** and **Trudian Security Management Center Platform**. With an annual production capacity exceeding 1 million sets of video intercom devices, all of which are certified by **CE, FCC**, and **RoHS** certifications, we are committed to delivering exceptional quality and service to our customers, thereby creating tangible value for their lives.

30 years

Company Histroy

2006
- Top 50 Chinese Security Enterprises
- ISO14001 certification

2000
- ISO9001 certification
- Launched FB series video intercom system

1998
- Video intercom has been listed

1992
- Establishment of the company

2007
- Launch of HT68 digital networked video intercom system

2008
- China's Top 100 Security Companies
- Recommended brands for safe city construction

2009
- The Golden Tripod Award of Anbo Expo
- Top 10 Most Influential Brands in China Security

2010
- China's Top 100 Security Companies
- Recommended brands for safe city construction

2011
- Launch of HT68 all-digital video intercom system, moving towards smart communities

2012
- Top 10 video intercom brands in the smart community industry

30 years

Company Histroy

2017
- Trudian Cloud Big Data Platform has gone live

2016
- Nation High-tech enterprise
- Trudian Smart Lock launched

2015
- Trudian Life Smart Community has gone live

2014
- Top 100 Quality Supplier

2018
- Top 10 video intercom brands of smart building brands in China
- Oustsanding Security Enterprise in Guangdong Province

2019
- Twenty-three consecutive years as a contract-abiding and trustworthy enterprise in Guangdong Province
- Trudian Smart Home Launched

2020
- The 10 brands of security and smart communities in China
- Top 10 brands of security cloud intercoms in China

2021
- Top 10 IoT video intercom brands
- Top 10 Competitive Real Estate Suppliers in China

2022
- Preferred supplier to China's top 500 real estate development companies

HONORS & CERTIFICATES

Real Estate Development Enterprises TOP 500 Preferred Supliers

National High-Tech Enterprise

Safe City Construction Recommended Brands

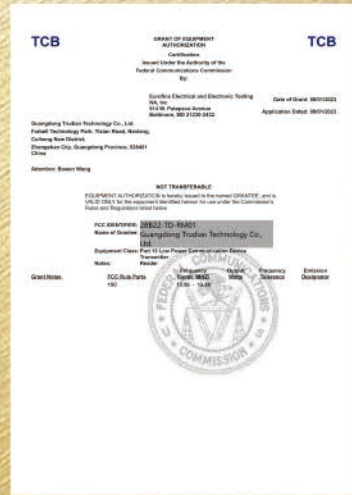China's TOP 10 Security Building Intercom Brands

TOP 10 Most Influential Brands Of Public Safety In China

ISO 9001 Certification

ISO 14001 Certification

FCC Certification

TOP 10 Security Brands In China

TOP 10 Smart Community & Building Intercom Brands In China

The CPSE Golden Excellence Awards

PATENT CERTIFICATES

OUR PARTNER

中国电信 CHINA TELECOM

中国联通 China unicom

CASIO

REDCO PROPERTIES GROUP LIMITED

Lianfa Group

Beijing Urban Construction Group

Greenland Holdings Corporation Limited

Liyuan Real Estate Development Group

Baojia (Xiamen) Real Estate Development

Poly Developments and Holdings Group

Times China Holdings Limited

Zhongshan Daxin Holding

02

TRUDIAN
STRENGTH
INTRODUCTION

The headquarter of Trudian, Farbell Technology Park, spans a **24,000m²** area, housing facilities for product research and development, software design, assembly production lines, and marketing center.

In Hengmen Industrial Park, we possess a production support base encompassing **14,000m²**.

Trudian maintains offices in the majority of Chinese provinces, and has expanded its presence with branches in **Shenzhen, Hong Kong, Japan** and the **Philippines**.

Trudian is affiliated to **Guangdong Farbell Group** (established in **1992**), possessing more than **200** employees, including **20+** dedicated R&D engineers, and holds over **60** patents.

Efficient Manufacturing

Quality Inspection

High&Low
Temperature Test

100,000
Service Life Test

Smoke Test

Sand&Dust Test

Trudian's business has expanded its reach to encompass over 50 countries, safeguarding the well-being of hundreds of millions of people.
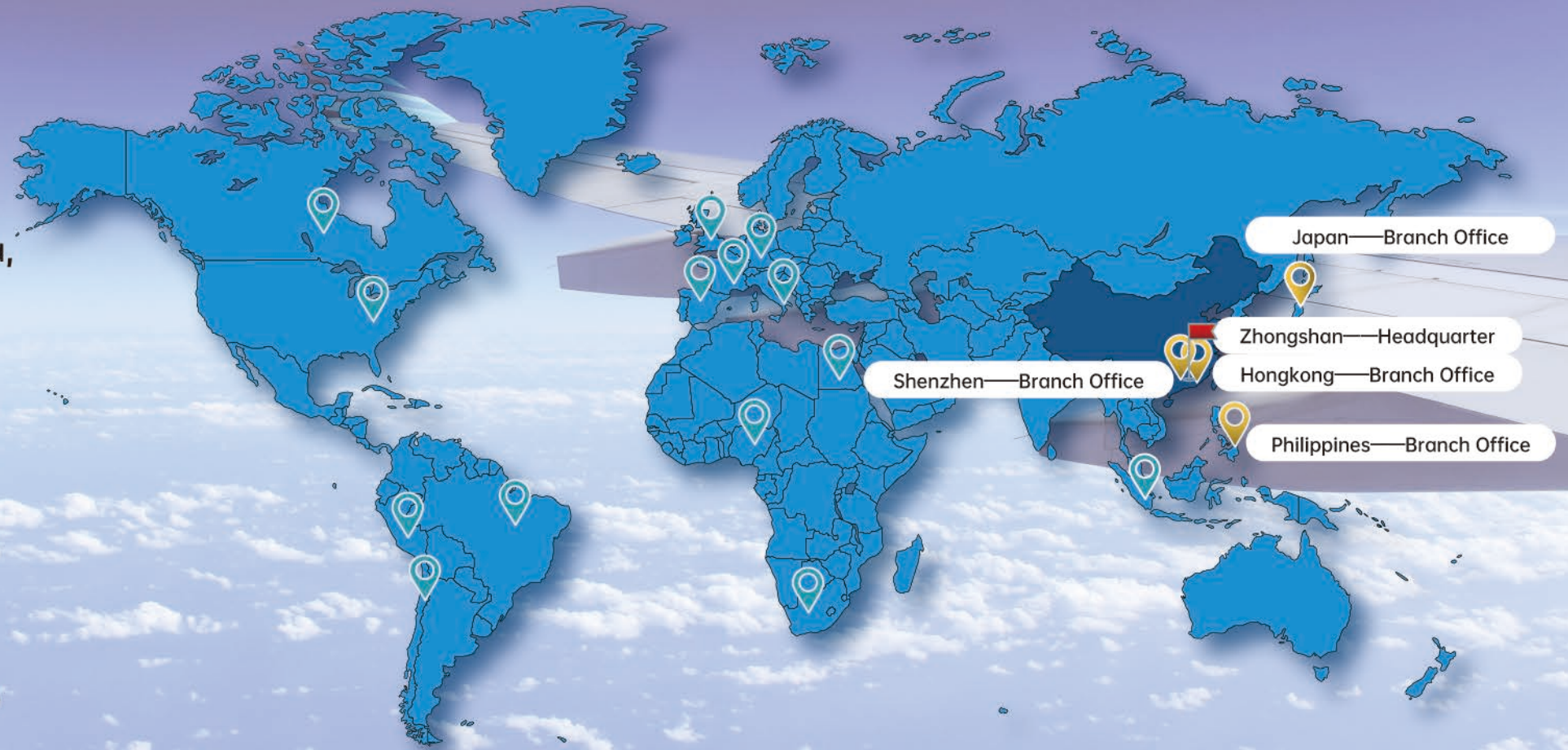
North America:
U.S, Canada, etc.;

South America:
Brazil, Chile, Argentina, Peru, etc.;

Europe:
U.K, Italy, France, Germany, Greece, Spain, etc.;

Asia:
China, Thailand, Philippines, Singapore, Japan, etc.;

Africa:
Egypt, South Africa, Nigeria, etc.;

Japan——Branch Office

Zhongshan——Headquarter

Hongkong——Branch Office
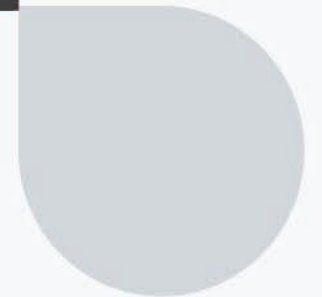
Shenzhen——Branch Office

Philippines——Branch Office

AFTER-SALES SERVICE

· Technical Support and Troubleshooting: We offer channels for customers to contact us at any time, such as phone, email, or online chat, to assist with resolving issues or concerns related to product usage. Ensure that a professional technical team can respond quickly to customer requests.

· After-Sales Warranty: We provide product warranty services to repair or replace damaged components or the entire device free of charge during the warranty period.

· Security Vulnerabilities and Firmware Updates: Actively monitor product security, promptly release security vulnerability fixes and firmware updates to protect customers from potential threats.

· Customer Feedback and Improvement: Actively collect customer feedback to improve product performance and service quality.

· Social Media and Online Community Support: Establish online communities and social media channels for customers to share experiences, ask questions, and interact with the company and other users.

· Custom Solutions and Consulting: Provide customized solutions and consulting services based on specific customer needs.

· Continuous Support: Our professional teams work continuously to maintain and operate the cloud platform and cloud products safely and reliably, as well as provide upgrade services.
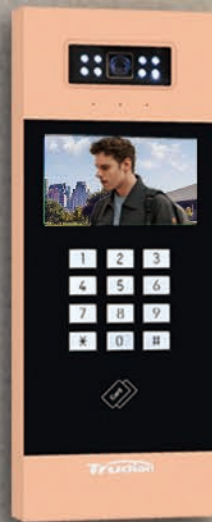
PRODUCTS & SOLUTIONS

03

VIDEO INTERCOM

2-WIRE IP VIDEO INTERCOM KIT

TD-D2ICR36W

PRODUCT SPECIFICATION

Whole Unit	
Adapter	input: AC100-240V 50/60Hz output: DC12V 2A
Distance (Between Indoor Monitor and Outdoor Station)	0~50m (RVV2*0.5mm², 12V voltage) 0~200m (RVV2*0.5mm², 24V voltage)
Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm²)
Wiring	2-wire connection (No polarity)

Indoor Monitor	
Dimensions	219x124x20mm
Display	7" IPS LCD touch screen
Screen Resolution	1024*600
OS	Embedded Linux
Material	engineering ABS plastic and tempered glass
Installation	wall-mounted
Functions	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volumn, lock delay adjustment, multi-language OSD menu
External TF Card	max 512GB storage, automatically save photo and video

Outdoor Station	
Dimensions	66x138x23.5mm
Camera	2 million pixels/1080P
Night Vision	IR CUT switch, high color precision, black and white image
Door Lock Control	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting
IC Card Unlock	yes
Installation	wall-mounted

PRODUCT FEATURES

·Large Screen Display: Features a 7" IPS LCD touch screen with 1024x600 resolution.
·Advanced Features: Supports call, photo capture, video recording, remote unlocking, and visitor record.
·Enhanced Security: Incorporates pedestrian detection, automatic photo and video capture, and sending alarms to both indoor monitor and phone APP.
·Secure Lock Control: Offers compatibility with magnetic locks and electronic locks, complete with locking delay time settings.
·Connectivity and APP Integration: Connects through 2.4G WiFi and seamlessly integrates with the Tuya APP.
·IC Card Unlock: Provides the extra convenience of IC card unlocking

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TD-D2R36W

PRODUCT SPECIFICATION

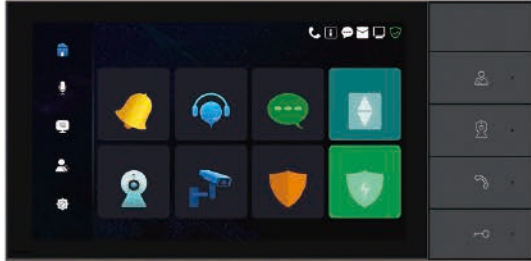| Whole Unit	
Adapter	input: AC100-240V 50/60Hz output: DC12V 2A
Distance (Between Indoor Monitor and Outdoor Station)	0~50m (RVV2*0.5mm², 12V voltage) 0~200m (RVV2*0.5mm², 24V voltage)
Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm²)
Wiring	2-wire connection (No polarity)

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External TF Card	max 512GB storage, automatically save photo and video

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·Connectivity and APP Integration: Connects through 2.4G WiFi and seamlessly integrates with the Tuya APP.

IP VIDEO INTERCOM - INDOOR MONITOR

TD-R39

PRODUCT FEATURES

·Touch Button: Features a touch button interface for user-friendly interaction.

·7" Capacitive Touch Screen: Equipped with a 7-inch capacitive touch screen for clear and responsive display.

·Connectable Sensors: Supports up to 8 connectable sensors for enhanced security and functionality.

·Basic Functions: Supports essential functions like video call, calling management center, door-to-door intercom, remote unlocking, camera surveillance, security alarm, notification release, and visitor messaging.

·Extensible Features: Offers extensible features such as smart home integration and elevator control.

·Installation: Designed for wall-mounted installation, providing flexibility in placement.

·Compatibility: Seamlessly integrates with the Trudian Community Management Center Platform.

PRODUCT SPECIFICATION

Button	touch button
Screen	7" capacitive touch screen
Resolution	800*480
Connectable Sensors	8
Material	engineering ABS plastic + tempered glass
Power Supply	DC 12V
Networking Method	TCP/IP
OS	Embeded System
CPU	ARM Cortex A8 600MHz
Memory	128MB
Flash	16MB
Codec	H264, 720P 30fps
Installation Method	wall-mounted
Appearance Size	226x110x12.4mm
Basic Functions	video call, calling management center, door-to-door intercom, remote unlocking, camera surveillance, security alarm, notification release, visitor message
Extensible Functions	smart home, elevator control
Trudian Community Management Center Platform	yes

TD-R88

PRODUCT FEATURES

·Advanced Touch Screen: Equipped with a 7" capacitive LCD touch screen for intuitive control.

·Security Sensors: Supports up to 8 connectable sensors, enhancing safety and surveillance.

·Installation Versatility: Can be wall-mounted for flexible placement.

·Core Functions: Provides essential functions such as video call, calling management center, door-to-door intercom, remote unlocking, camera surveillance, security alarm, notification release, and visitor messaging.

·Extensive Capabilities: Supports smart home features and elevator control for comprehensive management.

·Software Integration: Compatible with the Trudian Community Management Center Platform for remote monitoring and control.

PRODUCT SPECIFICATION

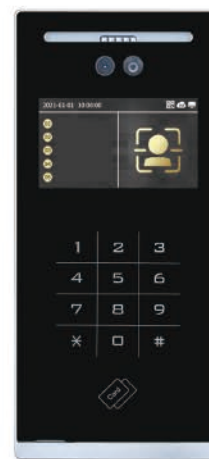|	
Screen	7" capacitive touch screen
Resolution	800*480
Connectable Sensors	8
Material	engineering ABS plastic + tempered glass
Power Supply	DC 12V
Networking Method	TCP/IP
OS	Embeded System
CPU	ARM Cortex A8 600MHz
Memory	128MB
Flash	16MB
Codec	H264, 720P 30fps
Installation Method	wall-mounted
Appearance Size	210x143x17.5mm
Basic Functions	video call, calling management center, door-to-door intercom, remote unlocking, camera surveillance, security alarm, notification release, visitor message
Extensible Functions	smart home, elevator control
Trudian Community Management Center Platform	yes

IP VIDEO INTERCOM - OUTDOOR STATION

TD-D32A

PRODUCT SPECIFICATION

Button	mechanical button
Screen	4.3" LCD
Access Control	digital standard IC network access control
OS	Linux
Resolution	480*272
Camera	200W
Card Capacity	unlimited (read and write sectors)
Installation Method	embedded
Appearance Size	353x130x60mm
Basic Functions	video intercom, camera surveillance, elevator linkage
Unlocking	intercom, password, card (IC card, CPU card, ID card), QR code, Bluetooth, phone app, cloud platform remote control
Alarm	automatic detection of door opening and closing status
Visitors Leave Messages and Photos	yes
Trudian Community Management Center Platform	yes

PRODUCT FEATURES

·Display: Features a 4.3" LCD screen and digital mechanical buttons.
·Unlocking Options: Offers various methods for unlocking, including intercom, password, cards, QR codes, Bluetooth, and remote control via a phone app and cloud platform.
·Security Functions: Includes video intercom, camera surveillance, elevator linkage, and automatic detection of door status.
·Communication: Allows visitors to leave messages and photos.
·Integration: Compatible with Trudian Community Management Center Platform for remote control and management.

TD-D232

PRODUCT SPECIFICATION

Button	touch button
Screen	4.3" LCD
Access Control	digital standard IC network access control
Face Recognition	10,000 capacity, liveness detection
OS	Linux
Resolution	600*1024
Camera	200W
Card Capacity	unlimited (read and write sectors)
Installation Method	wall-mounted
Appearance Size	272x125x26mm
Basic Functions	video intercom, camera surveillance, elevator linkage
Unlocking	intercom, password, card (IC card, CPU card, ID card), QR code, Bluetooth, phone app, cloud platform remote control
Alarm	automatic detection of door opening and closing status
Visitors Leave Messages and Photos	yes
Smart Advertising Playback Function	infrared wake-up and auto-play
Trudian Community Management Center Platform	yes

PRODUCT FEATURES

·User-Friendly Interface: Equipped with touch buttons and a 4.3" LCD screen for easy operation.
·Face Recognition: Can recognize up to 10,000 faces with liveness detection.
·High-Resolution Display: Boasts a 600x1024 screen resolution and a 200W camera.
·Versatile Unlocking Options: Supports various methods like intercom, password, cards, QR codes, Bluetooth, and remote control.
·Visitor Interaction: Allows visitors to leave messages and capture photos for easy communication.
·Smart Advertising Playback: Features intelligent advertising playback with infrared wake-up.
·Software: Seamlessly integrates with Trudian Community Management Center Platform.

ACCESS CONTROL

FINGERPRINT TIME ATTENDANCE & ACCESS CONTROL

TD-13MAT

NEW

PRODUCT FEATURES

·Working Modes: Operates in standalone mode.
·Unlocking Methods: Supports fingerprint, password, and ID card unlocking methods.
·Capacity: 2000 fingerprint, 1000 card, 1000 password. Storing up to 100000 attendance records.
·Installation: Wall-mounted for easy setup.
·Alarm Functions: Includes features for anti-tamper, illegal door opening, and door not closed properly.
·Doorbell Integration: Supports external wired doorbells.

PRODUCT SPECIFICATION

Working Modes	standalone
Unlocking Methods	fingerprint, password, ID card
Appearance Size	106x106x34mm
Package Size	213x135x52mm
Net Weight	200g
Package Weight	300g
Admin Capacity	10
User Capacity	1000
Fingerprint Capacity	2000
Password Capacity	1000
Card Capacity	1000
Record Capacity	100000
Appearance Material	ABS
Installation Method	wall-mounted
Voice Assistant	Yes

Button	Yes
Attendance Speed	1s
False Recognition Rate	0.0001%
Fall-Proof	withstand 3 times free fall from 1.2m height
IP Rating	IP54
Working Temperature	0℃~45℃
Storage Temperature	0℃~50℃
Environment Light	1000LUX
Wiegand Format	Wiegand 26/34
Communication Interface	USB
Data Download	flash drive
Flash Drive Supported Format	FAT32
Alarm Functions	anti-tamper, illegal door opening, door not closed
Doorbell	external wired doorbell available

FACIAL RECOGNITION ACCESS CONTROL

TD-15MWK

● NEW

PRODUCT FEATURES

·5" full touch screen with tempered glass panel.
·Facial recognition with a capacity of 20,000 faces and liveness detection.
·Various unlocking methods including facial recognition, password, card, QR code, cloud platform remote control.
·Advanced features like elevator control, smart advertising playback, and automatic detection of door opening/closing.
·Seamlessly integrated with Trudian Community Management Center Platform for remote control.

PRODUCT SPECIFICATION

Unlocking	facial recognition, password, card, QR code, cloud platform remote control
Appearance Size	205*105*16mm
Material	luxurious pure aluminum + tempered glass
Screen Display	5" touch screen
Screen Resolution	720*1280
Camera	2 million pixels
Operating System	Linux
Facial Recognition	20,000 capacity, liveness detection
Network Mode	TCP/IP
TCP/IP	0-6cm
Card Capacity	unlimited (read and write sectors)
Power Supply	DC 12V
Installation Method	wall-mounted
Extendable Functions	elevator control, smart advertising playback
Alarm	automatic detection of door opening and closing status
Trudian Community Management Center Platform	supported

ACCESS CONTROL TERMINAL

TD-10MWK

PRODUCT FEATURES

·Working Modes: TCP/IP networking or stand-alone.
·Unlocking Methods: PIN, dynamic password, card, PIN+Card, management center, and exit button.
·Appearance: Compact design at 86x86x28mm.Durable aluminum and glass construction.
·Memory: 20K memory, 128K+8M Flash.
·Capacity: Up to 20 PINs, 1000 cards, 1000 PIN+Card.

PRODUCT SPECIFICATION

Working Modes	TCP/IP networking, standalone
Unlocking Methods	PIN, dynamic password, card, PIN+Card, management center, exit button
Appearance Size	86x86x28mm
Working Voltage	DC12V
OS	Embedded system
CPU	ARM Cortex M3
Reading Distance	0~4cm
PIN Capacity	20
Card Capacity	1000
PIN + Card Capacity	1000
Unlock Record Capacity	1000
Appearance Material	pure aluminum frame, tempered glass lens
Installation Method	embedded with 86-style electrical box, the inner depth of 86-style electrical box is required to be ≥ 50MM

ACCESS CONTROL TERMINAL

TD-10MAK

PRODUCT SPECIFICATION

Working Modes	TCP/IP networking, standalone
Unlocking Methods	PIN, dynamic password, card, PIN+Card, management center, exit button
Appearance Size	86x86x28mm
Working Voltage	DC12V
OS	Embedded system
CPU	ARM Cortex M3
Reading Distance	0~4cm
PIN Capacity	20
Card Capacity	1000
PIN + Card Capacity	1000
Unlock Record Capacity	1000
Appearance Material	ABS
Installation Method	embedded with 86-style electrical box, the inner depth of 86-style electrical box is required to be ≥ 50MM

PRODUCT FEATURES

·Modes: TCP/IP networking and standalone.
·Unlocking: PIN, dynamic password, card, PIN+Card, management center, and exit button.
·Size: Compact at 86x86x28mm.
·Power: DC12V, low standby and working current.
·Capacity: 20 PINs, 1000 cards, 1000 PIN+Card, and 1000 unlock records.
·Installation: Embedded with 86-style electrical box.

TD-12MWT

PRODUCT SPECIFICATION

Working Modes	TCP/IP networking, standalone
Unlocking Methods	QR Code, card, exit button, management center
Trudian Security Management Center Platform	support
Networking	Wired/2G/4G
Appearance Size	Φ110*25mm
OS	Embedded system
CPU	ARM Cortex M3
Reading Distance	0-6cm
Card Capacity	unlimited (read/write sectors)
Appearance Material	engineering ABS + Imported Acrylic
Installation Method	wall-mounted

PRODUCT FEATURES

·Supports both TCP/IP networking and standalone operation, providing flexibility in deployment options.
·Offers multiple unlocking methods including card, QR code, remote control, and exit button, catering to diverse user preferences and convenience.
·Supports integration with the Trudian Security Management Center Platform, enhancing centralized control and monitoring capabilities.
·Designed for wall-mounted installation for easy setup.
·Offers unlimited card capacity, allowing registration of a large number of cards (read/write sectors).

ACCESS CONTROL

TD-12MAK

PRODUCT SPECIFICATION

Working Modes	standalone
Unlocking Methods	PIN, card, PIN+card, exit button
Appearance Size	118x72x16mm
Working Voltage	DC12V
OS	Embedded system
CPU	ARM Cortex M0
Reading Distance	0~4cm
PIN Capacity	20
Card Capacity	1000
PIN + Card Capacity	1000
Unlock Record Capacity	1000
Appearance Material	ABS
Installation Method	wall-mounted

PRODUCT FEATURES

·Operation: Standalone mode.
·Unlocking: PIN, card, PIN+card, and exit button.
·Size: Compact at 118x72x16mm.
·Power: DC12V, low standby and working current.
·Capacity: 1000 PINs, 1000 cards, 1000 unlock records.
·Installation: Wall-mounted design.

TD-12MAT

PRODUCT SPECIFICATION

Working Modes	standalone
Unlocking Methods	card, exit button
Appearance Size	118x72x16mm
Working Voltage	DC12V
OS	Embedded system
CPU	ARM Cortex M0
Reading Distance	0~4cm
PIN Capacity	20
Card Capacity	1000
PIN + Card Capacity	1000
Unlock Record Capacity	1000
Appearance Material	ABS
Installation Method	wall-mounted

PRODUCT FEATURES

·Standalone: Operates independently.
·Unlocking: Supports cards and exit button.
·Size: Compact at 118x72x16mm.
·Power: Runs on DC12V, with low standby and working current.
·Capacity: Holds 1000 cards and records.
·Interfaces: Equipped with exit button, door magnetic sensor, relay output, doorbell, data backup, Wiegand, and status sync support.

SMART LOCK

FACIAL RECOGNITION SMART LOCK

TD-F39ER ● NEW

PRODUCT SPECIFICATION

Unlocking Methods	Facial Recognition, Fingerprint, PIN, IC Card, Key
Lock Dimension	415x78mm
Material	Aluminum alloy, baking paint surface, IMD coating
HD Camera	yes
Screen Display	3.5" LCD screen
Mortise	6068
Face & Card & Fingerprint & PIN Capacity	total 300 sets
Fingerprint Sensor	Semiconductor
Fingerprint Contrast time	≦1s
Fingerprint Identification Angle	360°
False Rejection Rate	≦1%
False Recognition Rate	≦0.001%
Battery	4200mA lithium battery
Voice Assistant	Yes
Keypad	Standard 12-bit touch keypad
Low Voltage Alarm	7.2V
System Restart	USB port
Double-Locking	Yes

PRODUCT FEATURES

·Unlock Methods: Offers multiple secure unlocking methods including Facial Recognition, Fingerprint, PIN, IC Card, and traditional Key.
·Material: Constructed with durable materials, this lock features an aluminum alloy build with a baking paint surface and IMD coating, ensuring longevity and resistance to wear.
·HD Camera: Equipped with a high-definition camera, provides added security and facial recognition features.
·Screen Display: Features a 3.5" LCD screen for user-friendly interaction and visual feedback.
·Capacity: Can store up to 300 sets of Face, Card, Fingerprint, and PIN data, providing ample space for user profiles.
·Fingerprint Sensor: Utilizing a Semiconductor fingerprint sensor, ensures quick and accurate fingerprint recognition with a contrast time of less than 1s.

SLIDING DOOR LOCK

TD-M1-B tuya

PRODUCT SPECIFICATION

Unlocking Methods	Fingerprint, PIN Code, Dynamic Password, Tuya APP, IC Card, Mechanical Key
Sliding Door	Support
Material	Aluminum
Lock Dimension	42x315x21.5mm
Supported Mortise	2585/2885/3085/3585/4085/4585/5085/6085, 2885/3585 multi-point, 2085/2885/3585 double-hook
Fingerprint Sensor Type	Semiconductor fingerprint sensor
Fingerprint Capacity	100
Password Capacity	100
IC Card Capacity	50
Supported IC Card Type	MIFARE M1 card
False Recognition Rate	<0.001%
False Rejection Rate	<1%
Door Opening Record	Support
Alarm	All kinds of door lock alarm, support background notification
Battery	4pcs 1.5V AAA alkaline dry batteries
Low Alarm Voltage	4.6V
Unlocking Time	≦ 1.5s
Keypad Type	Capacitive touch keypad

PRODUCT FEATURES

·Multiple Unlock Methods: Supports Fingerprint, PIN Code, Dynamic Password, Tuya APP, IC Card, and Mechanical Key for versatile access control.
·Sliding Door Support: Compatible with sliding doors, adaptation to various mortises, offering flexibility in installation.
·High-Security Fingerprint Sensor: Utilizes a semiconductor fingerprint sensor with a False Recognition Rate of < 0.001% and False Rejection Rate of < 1.0%.
·Large Capacity: Can store up to 100 fingerprints, 100 passwords, and 50 IC Cards, supporting MIFARE M1 card type.
·APP Integration: Remote control via the Tuya App using Bluetooth 4.2 BLE connection.
·Comprehensive Alarm System: Equipped with various door lock alarms and supports background push notifications for added security.

DOUBLE-SIDED SMART LOCK

TD-W2-B ● NEW

PRODUCT SPECIFICATION

Unlock Methods	fingerprint, card, PIN, dynamic password, key, TTLock App
Double-Sided Keypads	Unlock from both internal and external keypad
Sliding Door	support
Material	aluminum
Lock Dimension	412*38*140.8mm
Supported Mortise	2585, 2885, 3085, 3585, 4085, 4585 (single-point, multi-point, double-hook)
Fingerprint Sensor Type	semiconductor fingerprint sensor
Fingerprint Capacity	100
Password Capacity	250
IC Card Capacity	1000
App Integration	TTLock App
Battery	8pcs AA batteries
Emergency Power Port	USB
Double-Locking	support
IP Rating	IP65

PRODUCT FEATURES

·Versatile Access: IC card, fingerprint, PIN, dynamic password, key, remote control.
·Solid Build: robust 75x370x24mm size, Aluminum alloy panel, black nickel finish.
·Advanced Security: semiconductor fingerprint sensor, lower false recognition rates. Features double-locking for added protection.
·User Management: handles 9 administrators, 200 Card/Fingerprint/PIN records.
·User-Friendly: includes human voice, 12-bit touch keypad, Tuya APP, low voltage alarm, quick ≤ 1-second unlocking.
·Enhanced Safety: adopts HD camera and screen display to easily monitor outside.

RESIDENTIAL LOCK

TD-K1 Pro-B

tuya

PRODUCT SPECIFICATION

Unlocking Methods	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote Control
Lock Dimension	75x370x24mm
Material	Aluminum alloy panel, black nickle treatment
HD Camera	Yes
Screen Display	Yes
Administrators Capacity	9
Card & Fingerprint & PIN Capacity	Total 200 records
Password Length	4~8 digits
Fingerprint Sensor	Semiconductor
Fingerprint Identification Angle	360°
Battery	8pcs AAA alkaline batteries
Voice Assistant	Yes
Keypad	Standard 12-bit touch keypad
Low Voltage Alarm	4.6+0.2V
Tested Service Life	300,000 times
Connect to Tuya APP	Wifi
Double-Locking	Yes

PRODUCT FEATURES

·Versatile Access: IC card, fingerprint, PIN, dynamic password, key, remote control.
·Solid Build: robust 75x370x24mm size, Aluminum alloy panel, black nickel finish.
·Advanced Security: semiconductor fingerprint sensor, lower false recognition rates. Features double-locking for added protection.
·User Management: handles 9 administrators, 200 Card/Fingerprint/PIN records.
·User-Friendly: includes human voice, 12-bit touch keypad, Tuya APP, low voltage alarm, quick ≤ 1-second unlocking.
·Enhanced Safety: adopts HD camera and screen display to easily monitor outside.

RESIDENTIAL LOCK

TD-S1-B

PRODUCT SPECIFICATION

Unlocking Methods	Fingerprint, PIN, Dynamic Password, Key, Remote Control
Lock Dimension	65x65x25mm
Material	Zinc alloy panel, black nickle treatment
Administrators Capacity	1
Card & Fingerprint & PIN Capacity	Total 200 records
Password Length	6~10 digits
Fingerprint Sensor	Semiconductor
Fingerprint Identification Angle	360°
Battery	4pcs AAA alkaline batteries
Voice Assistant	Yes
Keypad	Standard 11-bit touch keypad
Low Voltage Alarm	4.6+0.2V
Tested Service Life	300,000 times
Connect to Tuya APP	Wifi

PRODUCT FEATURES

·Versatile Unlock Methods: supports fingerprint, PIN, dynamic password, key, and remote control.
·Compact Design: Small at 65x65x25mm, suitable for various doors.
·High Security: quick semiconductor fingerprint recognition with low false rates. Phantom password available.
·Battery-Powered: uses 4 AAA batteries, with low power consumption and an emergency power option.
·User-Friendly: human voice support, touch keypad, Tuya APP connectivity, low voltage alarm, and fast unlock time.
·Durability: adopts zinc alloy panel, black nickle treatment.

TD-F2-B

PRODUCT SPECIFICATION

Unlocking Methods	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote Control
Lock Dimension	36x345x21mm
Material	Zinc alloy panel, black nickle treatment
Administrators Capacity	9
Card & Fingerprint & PIN Capacity	Total 300 records
Password Length	4~8 digits
Fingerprint Sensor	Semiconductor
Fingerprint Identification Angle	360°
Battery	4pcs AAA alkaline batteries
Voice Assistant	Yes
Keypad	Standard 12-bit touch keypad
Low Voltage Alarm	4.6+0.2V
Tested Service Life	300,000 times
Connect to Tuya APP	Wifi
Double-Locking	Yes

PRODUCT FEATURES

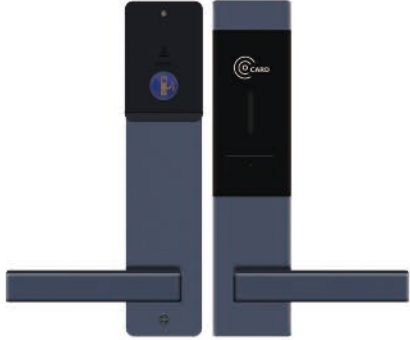·Diverse Access: uses IC card, fingerprint, PIN, dynamic password, mechanical key, or remote control.
·Compact Design: slim profile 36x345x21mm.
·Top Security: fast semiconductor fingerprint recognition with minimal errors (≤ 0.0001%). Double-locking function.
·Ample User Control: manage 9 administrators and store 300 Card/Fingerprint/PIN records.
·User-Friendly: includes human voice, 12-bit touch keypad, Tuya APP connectivity, low voltage alert, and quick ≤ 1-second unlocking.
·Power Options: 4 AAA Battery-powered, with emergency power port.

HOTEL LOCK

TD-2062E-J

PRODUCT SPECIFICATION

Unlock Method	M1 Card, Key
Lock Dimension	296x71x17mm
Mortise	97x62mm
Material	Aluminum alloy
Card Capacity	1000 cards
Battery	4pcs AA batteries
Working Voltage	4.5~9V
Static Current	≦84uA
Dynamic Current	≦200mA
Working Temperature	-20℃~70℃
Low Voltage Alarm	4.8V
Unlock Time	≦1.5 Second
Tested Service Life	300,000 times
Software	TTHotel
APP	TTHotel

PRODUCT FEATURES

·Versatile Unlocking: Offers M1 Card and Key options.
·Durable Build: Made from aluminum alloy for sturdiness and wear resistance.
·High Capacity: Stores 1000 cards, catering to various occupancy levels.
·Alarm Feature: Issues a low voltage alarm at 4.8V, ensuring timely battery replacement.
·Robust Performance: Tested for 300,000 cycles, ensuring a durable and reliable solution for hotel use.
·Integration: Seamlessly integrated with TTHotel software and APP.

TD-2036E-S

PRODUCT SPECIFICATION

Unlock Method	M1 Card, Key
Lock Dimension	249x68x16mm
Mortise	97x62mm
Material	Stainless steel
Card Capacity	1000 cards
Battery	4pcs AA batteries
Working Voltage	4.5~9V
Static Current	≦84uA
Dynamic Current	≦200mA
Working Temperature	-20℃~70℃
Low Voltage Alarm	4.8V
Unlock Time	≦1.5 Second
Tested Service Life	300,000 times
Software	TTHotel
APP	TTHotel

PRODUCT FEATURES

·Versatile Access: Provides options for unlocking using M1 Card or Key.
·Durable Construction: Crafted from stainless steel to ensure strength and resistance to wear.
·Ample Capacity: Capable of storing up to 1000 cards, accommodating different occupancy levels.
·Alarm Functionality: Triggers a low voltage alarm at 4.8V, prompting timely battery replacement.
·Reliable Performance: Endured rigorous testing with 300,000 cycles, guaranteeing a robust and dependable solution for hotel usage.
·Integration: Smoothly integrates with TTHotel software and APP.

Trudian smart locks utilize semiconductor fingerprint readers, distinguishing them from the majority of traditional optical fingerprint locks in the market.

optical fingerprint reader ❌

semiconductor fingerprint sensor ✅

Compared with optical fingerprint readers, semiconductor fingerprint readers have the following advantages:

Security: The semiconductor fingerprint reader provides higher security. Optical fingerprint readers only use image recognition for authentication, so there is a risk of fake fingerprints, such as using high-resolution fingerprint images for spoofing. In contrast, semiconductor fingerprint readers use capacitive sensors, which can detect subtle capacitance differences in fingerprints and are more difficult to forge.

Anti-spoofing ability: Semiconductor fingerprint readers usually have anti-spoofing ability, which can detect the liveness of fingerprints. They can prevent spoofing using static images of fingerprints by detecting blood flow, skin temperature or other biometric characteristics in the fingerprint to determine if the fingerprint is from a real person.

Ease of use: Semiconductor fingerprint readers are usually easier to use. They capture fingerprints while touching, without specific angles or positions, so users can place their fingers on the reader more naturally. They are better suited for mobile devices and other applications than optical reader.
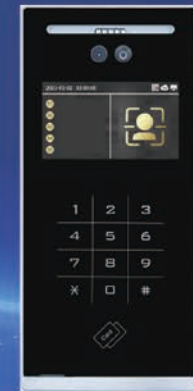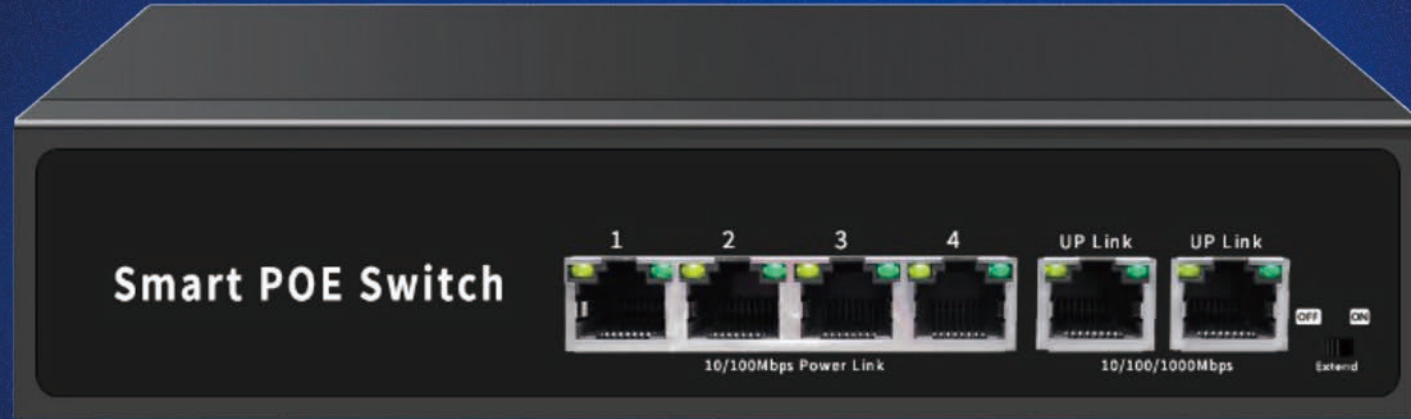
Speed and accuracy: Semiconductor fingerprint readers generally have faster recognition speeds and higher accuracy. They can complete fingerprint capture and matching in a shorter time, and have a higher recognition rate for different fingerprint features.

Durability: Semiconductor fingerprint readers are generally more durable. Optical reader can be affected by dust, dirt or scratches, while semiconductor reader are more resistant to some common external disturbances due to their physical properties.

INTERNATIONAL STANDARD POE SWITCH

TD-P3316

PRODUCT SPECIFICATION

Port Characteristics	
Fixed Port	16 * 10/100Base-TX POE ports (Data/Power) 2 * 10/100/1000Base-T uplink RJ45 ports (Data) 1 * 1000Base-X SFP optical port slot (Data)
Network Port Characteristics	1-16 ports 10/100Base-TX, 17-18 ports 10/100/1000Base-T(X) automatic detection, full/half duplex MDI/MDI-X adaptive

Chip Parameters	
Network Protocol	IEEE802.3 10BASE-T；IEEE802.3i 10Base-T；IEEE802.3u100Base-TX；IEEE802.3ab 1000Base-T；IEEE802.3z 1000Base-X；IEEE802.3x
Backplane Bandwidth	12.8Gbps (non-blocking)
LED Indicator	Power indicator: PWR (green); Network indicator: Link (yellow); PoE indicator: PoE (green)

PoE and Power Characteristics	
PoE Power Supply Standard	1-16 ports support IEEE802.3af/at standard POE power supply
Power Pin	Default 1/2(+), 3/6(-) 4-core power supply
Maximum/Average Single Port Power	30W, standard IEEE802.3af/at
Total Power/Input Voltage	250W （AC100-240V）

Physical Specifications	
Appearance Size (L*W*H)	270*185*45mm
Net/Gross Weight	<1.5kg / <1.7kg
Installation Method	Desktop, wall-mounted, rack-mounted

PRODUCT FEATURES

·16*10/100M ports + 2*10/100/1000M ports + 1*1000M port optical port Ethernet switch, 1-16 ports support standard PoE power supply, the maximum power supply power of a single port is 15W, 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port for uplink.
·Network port transmission supports 250 meters.
·Switching capacity 9.2Gbps, built-in power supply, IP30, desktop/compatible 1U rack mount.

TD-P3324

PRODUCT SPECIFICATION

Port Characteristics	
Fixed Port	24 * 10/100Base-TX POE ports (Data/Power) 2 * 10/100/1000Base-T uplink RJ45 ports (Data) 1 * 1000Base-X SFP optical port slot (Data)
Network Port Characteristics	1-24 ports 10/100Base-TX, 25-26 ports 10/100/1000Base-T(X) automatic detection, full/half duplex MDI/MDI-X adaptive

Chip Parameters	
Network Protocol	IEEE802.3 10BASE-T；IEEE802.3i 10Base-T；IEEE802.3u100Base-TX；IEEE802.3ab 1000Base-T；IEEE802.3z 1000Base-X；IEEE802.3x
Backplane Bandwidth	12.8Gbps (non-blocking)
LED Indicator	Power indicator: PWR (green); Network indicator: Link (yellow); PoE indicator: PoE (green)

PoE and Power Characteristics	
PoE Power Supply Standard	1-24 ports support IEEE802.3af/at standard POE power supply
Power Pin	Default 1/2(+), 3/6(-) 4-core power supply
Maximum/Average Single Port Power	30W, standard IEEE802.3af/at
Total Power/Input Voltage	250W （AC100-240V）

Physical Specifications	
Appearance Size (L*W*H)	290*200*44mm
Net/Gross Weight	<2.0kg / <2.3kg
Installation Method	Desktop, wall-mounted, rack-mounted

PRODUCT FEATURES

·24*10/100M port + 2*10/100/1000M port + 1*1000M port optical port Ethernet switch, 1-24 ports support standard PoE power supply, the maximum power supply power of a single port is 15W, and 2 Gigabit Ethernet ports are uplinked.
·Switching capacity 10.8Gbps, built-in power supply, IP30, desktop/compatible 1U rack mount.

INTERNATIONAL STANDARD POE SWITCH

TD-P3204

PRODUCT SPECIFICATION

Port Characteristics	
Fixed Port	4 * 10/100Base-TX PoE ports (Data/Power) 2 * 10/100Base-TX uplink RJ45 ports (Data)
Network Port Characteristics	10/100BaseT (X) automatic detection, full/half duplex MDI/MDI-X adaptive

Chip Parameters	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x
Backplane Bandwidth	1.6Gbps (non-blocking)
LED Indicator	Power indicator: PWR (green); Network indicator: L/A (green); Long-distance function indicator: EXTEND (green)

PoE and Power Characteristics	
PoE Power Supply Standard	1-4 ports support IEEE802.3af/at standard POE power supply
Power Pin	Default 1/2(+), 3/6(-) 4-core power supply
Maximum/Average Single Port Power	30W/15W
Total Power/Input Voltage	65W (AC100-240V)

Physical Specifications	
Appearance Size (L*W*H)	200*118*44mm
Net/Gross Weight	< 0.8kg / < 1.2kg
Installation Method	Desktop, wall-mounted installation

PRODUCT FEATURES

·4*10/100M electrical ports + 2*10/100M electrical ports Unmanaged POE switch, of which 1-4 ports support IEEE 802.3af/at international standards.
·The maximum power of a single port is 30W. With DIP switch.
·E file: After opening, 1-4 ports support 10M/250m long-distance mode + port VLAN isolation.
·1-4 ports support AI-PoE network self-healing mode (PoE watchdog) by default.
·Default network 4-core power supply, only supports 1,2(+)/3,6(-).
·Built-in power supply, plum blossom hole wall mounting.

TD-P3208

PRODUCT SPECIFICATION

Port Characteristics	
Fixed Port	8 * 10/100Base-TX PoE ports (Data/Power) 2 * 10/100Base-TX uplink RJ45 ports (Data)
Network Port Characteristics	10/100BaseT (X) automatic detection, full/half duplex MDI/MDI-X adaptive

Chip Parameters	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x
Backplane Bandwidth	2Gbps (non-blocking)
LED Indicator	Power indicator: PWR (green); Network indicator: L/A (green); Long-distance function indicator: EXTEND (green)

PoE and Power Characteristics	
PoE Power Supply Standard	1-8 ports support IEEE802.3af/at standard POE power supply
Power Pin	Default 1/2(+), 3/6(-) 4-core power supply
Maximum/Average Single Port Power	30W/15W
Total Power/Input Voltage	120W (AC100-240V)

Physical Specifications	
Appearance Size (L*W*H)	200*118*44mm
Net/Gross Weight	< 0.8kg / < 1.2kg
Installation Method	Desktop, wall-mounted installation

PRODUCT FEATURES

·8*10/100M electrical ports + 2*10/100M electrical ports Unmanaged POE switch, of which 1-8 ports support IEEE 802.3af/at international standards.
·The maximum power of a single port is 30W. With DIP switch.
·E file: After opening, 1-8 ports support 10M/250m long-distance mode + port VLAN isolation.
·Ports 1-8 are enabled by default to support AI-PoE network self-healing mode (PoE watchdog).
·Default network 4-core power supply, only supports 1,2(+)/3,6(-).
·Built-in power supply, plum blossom hole wall mounting.

INTERNATIONAL STANDARD POE SWITCH

TD-P3204GF

PRODUCT FEATURES

·5*10/100/1000M port + 1*1000M port optical port Ethernet switch,1-4 ports support PoE, IEEE 802.3af/at international standard, single-port power supply up to 30W, 1 Gigabit Ethernet port + 1 Gigabit SFP optical port for uplink.
·Switching capacity 12Gbps, built-in power supply, IP30, desktop/wall-mounted installation.

PRODUCT SPECIFICATION

Port Characteristics	
Fixed Port	4 * 10/100/1000Base-T POE ports (Data/Power) 1 * 10/100/1000Base-T RJ45 network port 1 * 1000Base-X uplink SFP optical port slot (Data)
Network Port Characteristics	1-5/1-10 ports 10/100/1000Base-T automatic detection, full/half duplex MDI/MDI-X adaptive

Chip Parameters	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
Backplane Bandwidth	12Gbps (non-blocking)
LED Indicator	Power indicator: PWR (green); Network indicator: Link (green); POE work indicator: PoE (green)

PoE and Power Characteristics	
PoE Power Supply Standard	1-4 ports support IEEE802.3af/at standard POE power supply
Power Pin	default 1/2(+), 3/6(-) 4-core power supply
Maximum/ Average Single Port Power	30W, standard IEEE802.3af/at
Total Power/ Input Voltage	65W (AC100-240V)

Physical Specifications	
Appearance Size (L*W*H)	200*118*44mm
Net/Gross Weight	< 0.6kg / <1kg
Installation Method	Desktop, wall-mounted installation

TD-MIS308P-2G4F

PRODUCT FEATURES

·10*10/100/1000M network ports + 4*100/1000M optical ports + 1*Console port, industrial-grade layer 2 network management Ethernet switch.
·1-8 ports support the IEEE 802.3af/at international standard, the maximum power supply of a single port is 30W, 4 Gigabit SFP optical ports, and 2 10/100/1000M network ports for uplink.
·Switching capacity 56Gbps, Layer 2 network management function, support routing, DHCP, VLAN, MAC address, ACL access control, QOS, multicast, storm suppression, IPV4/IPV6 and other business functions.

PRODUCT SPECIFICATION

Port Characteristics	
Fixed Port	Downlink Port: 8 * 10/100/1000Base-T RJ45 network ports; Uplink Port: 2 * 10/100/1000Base-T RJ45 network ports + 4 100/1000M SFP optical port slots; PoE Port: 1-8 ports support af/at standard PoE power supply, transmission distance 100-250 meters
Network Port Characteristics	1-8/1-10 ports 10/100/1000M self-adaptive, full/half duplex MDI/MDI-X self-adaptive

Chip Parameters	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3x Flow Control IEEE802.3ab 1000Base-T
Backplane Bandwidth	28Gbps (non-blocking)t
LED Indicator	Power indicator: PWR (green); System running indicator: SYS (green); Network indicator: Link/Act (green); PoE indicator: PoE (yellow); Optical port indicator: SFP (green).

PoE and Power Characteristics	
PoE Power Supply Standard	1-8 ports support IEEE802.3af/at standard POE power supply
Power Pin	Default 1/2(+), 3/6(-) 4-core power supply
Maximum/ Average Single Port Power	30W, standard IEEE802.3af/at
Total Power/ Input Voltage	DC48-57V

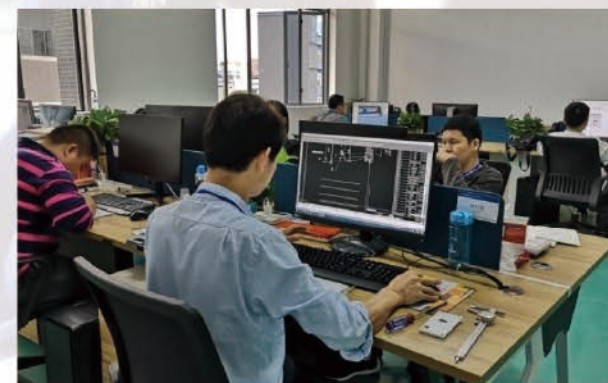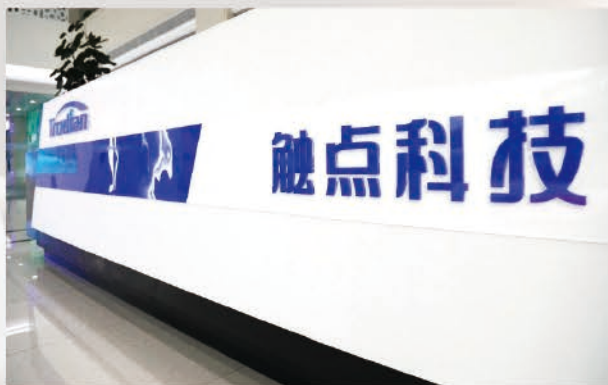| Physical Specifications	
Appearance Size (L*W*H)	175*135*48mm
Net/Gross Weight	< 1.3kg / < 1.6kg
Installation Method	Desktop, DIN-rail installation

04

CORPORATE CULTURE

ENTERPRISE VISION

In an era characterized by internet technology driving revolutionary change throughout various industries, Trudian has consistently championed innovation, adhering to a "customer-centric" strategy for development as well as corporate values grounded in "integrity-based, continuous innovation".

Trudian actively participates in a diverse array of impactful public activities, and provides transformative opportunities for legions of young, inspiring employees to meaningfully connect with the wider world through equitable dialogues, empowering them to convert their dreams into tangible realities.

OFFICE ENVIRONMENT

SHOW EXHIBITIONS

COMPANY EVENTS

THANK YOU FOR YOUR ATTENTION

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Access Control

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PoE Switch

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