

Trudian Smart Home Security Solutions



Guangdong Trudian Technology Co., Ltd., founded in **1992** (hereinafter referred to as **Trudian**), is a distinguished high-tech enterprise specializing in smart community products and solutions. The company offers comprehensive services, including smart community and smart home design, cutting-edge research and development, efficient production, seamless sales, and exceptional customer support. With a steadfast commitment to excellence, Trudian has consistently held its position as a pioneering leader in China's smart community industry.

Located in **Zhongshan** City, **Guangdong** Province, the hometown of the eminent Sun Yat-sen, Trudian stands as a prominent center of cutting-edge technology. The company's core mission focuses on the innovation of software and hardware for smart community solutions. Our product portfolio encompasses a diverse range, including **smart lock, video intercom, access control, PoE switch** and related security products. Furthermore, we offer a suite of complementary software applications, including **Trudian APP, Trudian Cloud, Trudian Life, Trudian Smart Apartment**, and various customizable applications to cater to a wide spectrum of needs.



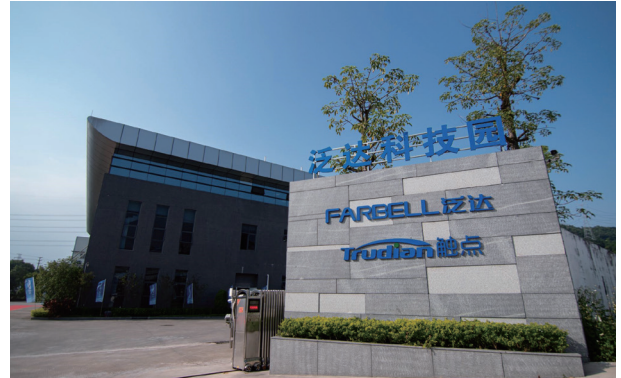


R&D CENTER

It is located in the hometown of the great Sun Yat-sen, Cuiheng New District, Zhongshan City, Guangdong Province Farbell Science & Technology Park.

Science & Technology Park

Trudian has its own Science & Technology Park with 24,000 m² area. It's a comprehensive integrating R&D, producing and service center.



Manufacturing Center

The supporting production base covers an area of 18000 m². It is located in Hengmen Industrial Park.

150+ R&D Engineers

60+ Patents

50+ Countries and regions have been benefited and providing security for hundreds of millions of people



Trudian has offices in most provinces in China.

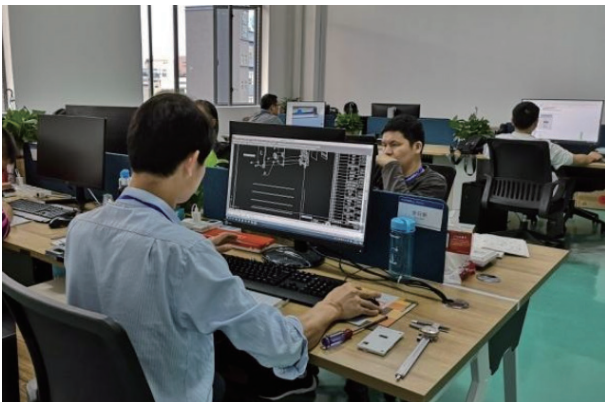
And now with one each branch in **Shenzhen, Hong Kong, China** and **Philippines**.

After Sales Service



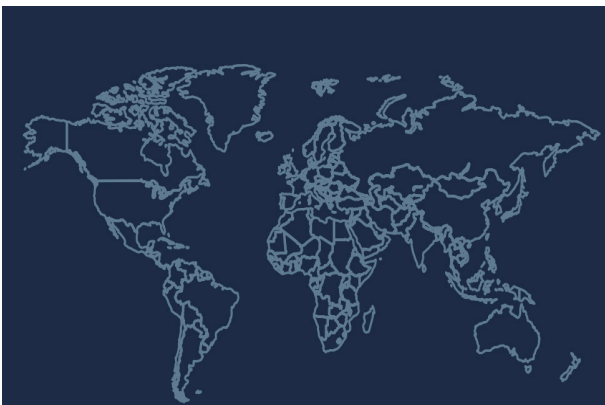
Professionalism:

We have Intelligent Service Team, six links of market, R&D, production, quality control, engineering and after-sales are precisely matched.



R&D Customization:

All core technologies have independent intellectual property rights and can be customized according to customer needs.



Ongoing Services:

Nearly 20 direct offices nationwide to ensure localized quality services, professional teams to continuously maintain the cloud platform and cloud products safe, stable operation and upgrade services.

01 CLOUD ACCESS CONTROL



ACCESS CONTROL TERMINAL

TD-10MWK



TD-10MWT



TD-10MAK



TD-10MAT



Model	TD-10MWK	TD-10MWT	TD-10MAK	TD-10MAT
Working Modes	TCP/IP networking, standalone	TCP/IP networking, standalone	TCP/IP networking, standalone	TCP/IP networking, standalone
Unlocking Methods	PIN, dynamic password, card, PIN+Card, management center, exit button	card, management center, exit button	PIN, dynamic password, card, PIN+Card, management center, exit button	card, management center, exit button
Appearance Size	86x86x28mm	86x86x28mm	86x86x28mm	86x86x28mm
Bare Size	86x86x8mm	86x86x8mm	86x86x8mm	86x86x8mm
Working Voltage	DC12V	DC12V	DC12V	DC12V
Standby Current	110mA±20mA	110mA±20mA	110mA±20mA	110mA±20mA
Working Current	150mA±50mA	150mA±50mA	150mA±50mA	150mA±50mA
OS	Embedded system	Embedded system	Embedded system	Embedded system
CPU	ARM Cortex M3	ARM Cortex M3	ARM Cortex M3	ARM Cortex M3
Memory	20K	20K	20K	20K
Flash	128K+8M	128K+8M	128K+8M	128K+8M
Reading Distance	0~4cm	0~4cm	0~4cm	0~4cm
PIN Capacity	20	-	20	-
Card Capacity	1000	1000	1000	1000
PIN + Card Capacity	1000	-	1000	-
Unlock Record Capacity	1000	1000	1000	1000
Working Temperature	-40°C~70°C	-40°C~70°C	-40°C~70°C	-40°C~70°C
Working Humidity	10%~93%	10%~93%	10%~93%	10%~93%
Appearance Material	pure aluminum frame, tempered glass lens	pure aluminum frame, tempered glass lens	ABS	ABS
Installation Method	embedded with 86-style electrical box	embedded with 86-style electrical box	embedded with 86-style electrical box	embedded with 86-style electrical box
External Interface	Power Supply	12V power interface	12V power interface	12V power interface
	Network	1 set of RJ45 10M/100M auto-sensing Ethernet port	1 set of RJ45 10M/100M auto-sensing Ethernet port	1 set of RJ45 10M/100M auto-sensing Ethernet port
	485	1 set of 485 bus communication interface	1 set of 485 bus communication interface	1 set of 485 bus communication interface
	Exit Button	1 set of exit button signal detection input interface	1 set of exit button signal detection input interface	1 set of exit button signal detection input interface
	Door Magnetic Sensor	1 set of door magnetic sensor signal detection input interface	1 set of door magnetic sensor signal detection input interface	1 set of door magnetic sensor signal detection input interface
	Unlock	1 set of common port, NO port and NC port	1 set of common port, NO port and NC port	1 set of common port, NO port and NC port

ACCESS CONTROL TERMINAL / USB CARD READER

TD-12MAK



TD-12MAT



TD-09MR



Model		TD-12MAK	TD-12MAT	TD-09MR
Working Modes		standalone	standalone	-
Unlocking Methods		PIN, card, PIN+card, exit button	card, exit button	-
Appearance Size		118x72x16mm	118x72x16mm	118*72*16mm
Bare Size		118x72x16mm	118x72x16mm	-
Working Voltage		DC12V	DC12V	DC5V
Standby Current		40mA±20mA	40mA±20mA	-
Working Current		60mA±20mA	60mA±20mA	-
OS		Embedded system	Embedded system	Embedded system
CPU		ARM Cortex M0	ARM Cortex M0	ARM Cortex M3
Memory		8K	8K	20K
Flash		64K	64K	64K
Reading Distance		0~4cm	0~4cm	-
PIN Capacity		1000	1000	-
Card Capacity		1000	1000	-
PIN + Card Capacity		1000	1000	-
Unlock Record Capacity		1000	1000	-
Working Temperature		-40°C~70°C	-40°C~70°C	-20°C~70°C
Working Humidity		10%~93%	10%~93%	10%~93%
Appearance Material		ABS	ABS	ABS
Installation Method		wall-mounted	wall-mounted	wall-mounted
External Interface	Power Supply	12V power interface	12V power interface	-
	Exit Button	1 set of exit button signal detection input interface	1 set of exit button signal detection input interface	-
	Door Magnetic Sensor	1 set of door magnetic sensor signal detection input interface	1 set of door magnetic sensor signal detection input interface	-
	Relay Output	1 set of relay common port, NO port and NC port	1 set of relay common port, NO port and NC port	-
	Doorbell	1 set of Dingdong doorbell signal output interface	1 set of Dingdong doorbell signal output interface	-
	Data Backup	1 set of data backup and record export interface	1 set of data backup and record export interface	-
	Wiegand	1 set of Wiegand bus communication interface	1 set of Wiegand bus communication interface	-
	Wiegand Communication Mode	1 set of WG26/WG34 data format switching interface	1 set of WG26/WG34 data format switching interface	-
Status Sync		1 set of WG26/WG34 data format switching interface	1 set of WG26/WG34 data format switching interface	-
Card reading Type		-	-	ISO/14443 Type A standard Mifare series cards
Card Reading Distance		-	-	0~4CM
External Interface		-	-	USB

CONTROLLER

TD-8701A (One door)



TD-8702A (Two doors)



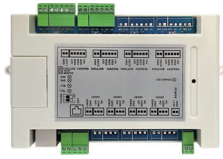
TD-8704A (Four doors)



Model		TD-8701A (One door)	TD-8702A (Two doors)	TD-8704A (Four doors)
Multiple Working Modes		TCP/IP networking, standalone	TCP/IP networking, standalone	TCP/IP networking, standalone
Unlocking Methods		card, management center, exit button (Wiegand reader required)	card, management center, exit button (Wiegand reader required)	card, management center, exit button (Wiegand reader required)
Appearance Size		277x232x67mm	277x232x67mm	277x232x67mm
Power Supply		AC100~240V, 50/60HZ, 1A	AC100~240V, 50/60HZ, 1A	AC100~240V, 50/60HZ, 1A
Working Voltage		DC12V	DC12V	DC12V
Standby Current		95mA±20mA	95mA±20mA	95mA±20mA
Working Current		1000mA±100mA	1000mA±100mA	1000mA±100mA
OS		Embedded system	Embedded system	Embedded system
CPU		ARM Cortex M3	ARM Cortex M3	ARM Cortex M3
Card Capacity		40000	40000	40000
Password Capacity		20000	20000	20000
Door Unlock Record Capacity		50000	50000	50000
Working Temperature		-20°C~70°C	-20°C~70°C	-20°C~70°C
Working Humidity		10%~93%	10%~93%	10%~93%
Appearance Material		engineering iron box	engineering iron box	engineering iron box
Installation Method		wall-mounted	wall-mounted	wall-mounted
User Data Save		yes	yes	yes
Lock Control		1 reader controls 1 door lock (single-door, single-channel)	2 readers control 2 door lock (dual-door, single-channel); 4 readers control 2 door lock (dual-door, dual-channel)	4 readers control 4 door lock (four-door, single-channel)
External Interface	Power Supply	12V power interface	12V power interface	12V power interface
	Network	1 set of RJ45 10M/100M auto-sensing Ethernet port	1 set of RJ45 10M/100M auto-sensing Ethernet port	1 set of RJ45 10M/100M auto-sensing Ethernet port
	Reader	1 set of Wiegand reader communication interfaces	2 sets of Wiegand reader communication interfaces	4 sets of Wiegand reader communication interfaces
	Exit Button	1 set of exit button signal detection input interface	2 sets of exit button signal detection input interface	4 sets of exit button signal detection input interface
	Door Magnetic Sensor	1 set of door magnetic sensor signal detection input interface	2 sets of door magnetic sensor signal detection input interface	4 sets of door magnetic sensor signal detection input interface
	Fire Control Integration	1 set of fire control integration detection input interface	1 set of fire control integration detection input interface	1 set of fire control integration detection input interface
	Unlock	1 set of common port, NO port and NC port	2 sets of common port, NO port and NC port	4 sets of common port, NO port and NC port

CONTROLLER

TD-8701 (One door)



TD-8702 (Two doors)



TD-8704 (Four doors)



Model		TD-8701 (One door)	TD-8702 (Two doors)	TD-8704 (Four doors)
Multiple Working Modes		TCP/IP networking, standalone	TCP/IP networking, standalone	TCP/IP networking, standalone
Unlocking Methods		card, management center, exit button (Wiegand reader required)	card, management center, exit button (Wiegand reader required)	card, management center, exit button (Wiegand reader required)
Appearance Size		162x105x38.5mm	162x105x38.5mm	162x105x38.5mm
Power Supply		DC12V, 500mA	DC12V, 500mA	DC12V, 500mA
Standby Current		95mA±20mA	95mA±20mA	95mA±20mA
Working Current		1000mA±100mA	1000mA±100mA	1000mA±100mA
OS		Embedded system	Embedded system	Embedded system
CPU		ARM Cortex M3	ARM Cortex M3	ARM Cortex M3
Card Capacity		40000	40000	40000
Password Capacity		20000	20000	20000
Door Unlock Record Capacity		50000	50000	50000
Working Temperature		-20°C~70°C	-20°C~70°C	-20°C~70°C
Working Humidity		10%~93%	10%~93%	10%~93%
Appearance Material		ABS	ABS	ABS
Installation Method		wall-mounted	wall-mounted	wall-mounted
User Data Save		yes	yes	yes
Lock Control		1 reader controls 1 door lock (single-door, single-channel)	2 readers control 2 door lock (dual-door, single-channel); 4 readers control 2 door lock (dual-door, dual-channel)	4 readers control 4 door lock (four-door, single-channel)
External Interface	Power Supply	12V power interface	12V power interface	12V power interface
	Network	1 set of RJ45 10M/100M auto-sensing Ethernet port	1 set of RJ45 10M/100M auto-sensing Ethernet port	1 set of RJ45 10M/100M auto-sensing Ethernet port
	Reader	1 set of Wiegand reader communication interfaces	2 sets of Wiegand reader communication interfaces	4 sets of Wiegand reader communication interfaces
	Exit Button	1 set of exit button signal detection input interface	2 sets of exit button signal detection input interface	4 sets of exit button signal detection input interface
	Door Magnetic Sensor	1 set of door magnetic sensor signal detection input interface	2 sets of door magnetic sensor signal detection input interface	4 sets of door magnetic sensor signal detection input interface
	Fire Control Integration	1 set of fire control integration detection input interface	1 set of fire control integration detection input interface	1 set of fire control integration detection input interface
	Unlock	1 set of common port, NO port and NC port	2 sets of common port, NO port and NC port	4 sets of common port, NO port and NC port

READER

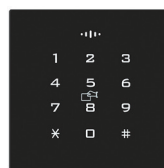
TD-RM01



TD-RM02



TD-RM03



TD-RM04



Model		TD-RM01	TD-RM02	TD-RM03	TD-RM04
Unlocking Methods		PIN, dynamic password, card	card	PIN, dynamic password, card	card
Appearance Size		86x86x28mm	86x86x28mm	86x86x28mm	86x86x28mm
Bare Size		86x86x8mm	86x86x8mm	86x86x8mm	86x86x8mm
Working Voltage		DC12V	DC12V	DC12V	DC12V
Standby Current		40mA±20mA	40mA±20mA	40mA±20mA	40mA±20mA
Working Current		60mA±20mA	60mA±20mA	60mA±20mA	60mA±20mA
OS		Embedded system	Embedded system	Embedded system	Embedded system
CPU		ARM Cortex M0	ARM Cortex M0	ARM Cortex M0	ARM Cortex M0
Memory		8K	8K	8K	8K
Flash		64K	64K	64K	64K
Reading Distance		0~4cm	0~4cm	0~4cm	0~4cm
Working Temperature		-40°C~70°C	-40°C~70°C	-40°C~70°C	-40°C~70°C
Working Humidity		10%~93%	10%~93%	10%~93%	10%~93%
Appearance Material		pure aluminum frame, tempered glass lens	pure aluminum frame, tempered glass lens	ABS	ABS
Waterproof		yes	yes	yes	yes
Installation Method		embedded with 86-style electrical box	embedded with 86-style electrical box	embedded with 86-style electrical box	embedded with 86-style electrical box
External Interface	Power Supply	12V power interface	12V power interface	12V power interface	12V power interface
	Wiegand	1 set of Wiegand bus communication interface	1 set of Wiegand bus communication interface	1 set of Wiegand bus communication interface	1 set of Wiegand bus communication interface
	Wiegand Communication Mode	1 set of WG26/WG34 data format switching interface	1 set of WG26/WG34 data format switching interface	1 set of WG26/WG34 data format switching interface	1 set of WG26/WG34 data format switching interface
	Status Sync	1 set of controller-synced indicator/buzzer status signal interface	1 set of controller-synced indicator/buzzer status signal interface	1 set of controller-synced indicator/buzzer status signal interface	1 set of controller-synced indicator/buzzer status signal interface

02 SMART LOCK



SMART LOCK

TD-S1-B



TD-F2-B



TD-X2-B



Model	TD-S1-B	TD-F2-B	TD-X2-B
Unlock Method	Fingerprint, PIN, Dynamic Password, Key, Remote control	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote control	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote control
Lock Dimension	65x65x25mm	36x345x21mm	36x345x21mm
Material	Zinc alloy panel,black nickle treatment	Zinc alloy panel,black nickle treatment	Aluminum alloy panel/handle, black oxidation treatment
Screen Display	No	No	No
Administrators Capacity	1	9	9
Card & Fingerprint & PIN Capacity	Total 200 records	Total 300 records	Total 200 records
Password Length	6~10 digits	4~8 digits	4~8 digits
Phantom Password	32 digits	32 digits	32 digits
Fingerprint Sensor	Semiconductor	Semiconductor	Semiconductor
Fingerprint Contrast time	≤ 0.6 Second	≤ 0.6 Second	≤ 0.6 Second
Fingerprint Identification Angle	360°	360°	360°
False Rejection Rate	$\leq 0.1\%$	$\leq 0.1\%$	$\leq 0.1\%$
False Recognition Rate	$\leq 0.0001\%$	$\leq 0.0001\%$	$\leq 0.0001\%$
Reaction Time	≤ 0.1 Second	≤ 0.1 Second	≤ 0.1 Second
Battery	4pcs AAA alkaline batteries	4pcs AAA alkaline batteries	4pcs AAA alkaline batteries
Power	DC 6V	DC 6V	DC 6V
Emergency Power	DC 5V	DC 5V	DC 5V
Static Current	$\leq 50\mu A$	$\leq 50\mu A$	$\leq 50\mu A$
Dynamic Current	$\leq 200mA$	$\leq 200mA$	$\leq 200mA$
Working Temperature	-20°C~70°C	-20°C~60°C	-25°C~60°C
Working Relative Humidity	20%~90%RH	20%~90%RH	20%~90%RH
Human Voice	Yes	Yes	Yes
Keypad	Standard 11-bit touch keypad	Standard 12-bit touch keypad	Standard 12-bit touch keypad
Low Voltage Alarm	4.6+0.2V	4.6+0.2V	4.6+0.2V
Unlock Time	≤ 1 Second	≤ 1 Second	≤ 1 Second
Tested Service Life	300,000 times	300,000 times	300,000 times
Connect to Tuya APP	Wifi	Wifi	Wifi
Double-Locking	No	Yes	Yes

SMART LOCK

TD-X6-B



TD-K1-B



TD-K1 Pro-B



Model	TD-X6-B	TD-K1-B	TD-K1 Pro-B
Unlock Method	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote control	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote control	IC Card, Fingerprint, PIN, Dynamic Password, Key, Remote control
Lock Dimension	65x280x21mm	75x370x24mm	75x370x24mm
Material	Aluminum alloy panel/handle, black oxidation treatment	Aluminum alloy panel/handle, black oxidation treatment	Aluminum alloy panel/handle, black oxidation treatment
Screen Display	No	No	Yes
Administrators Capacity	9	9	9
Card & Fingerprint & PIN Capacity	Total 200 records	Total 300 records	Total 200 records
Password Length	4~8 digits	4~8 digits	4~8 digits
Phantom Password	32 digits	32 digits	32 digits
Fingerprint Sensor	Semiconductor	Semiconductor	Semiconductor
Fingerprint Contrast time	≤ 0.6 Second	≤ 0.6 Second	≤ 0.6 Second
Fingerprint Identification Angle	360°	360°	360°
False Rejection Rate	$\leq 0.1\%$	$\leq 0.1\%$	$\leq 0.1\%$
False Recognition Rate	$\leq 0.0001\%$	$\leq 0.0001\%$	$\leq 0.0001\%$
Reaction Time	≤ 0.1 Second	≤ 0.1 Second	≤ 0.1 Second
Battery	4pcs AA alkaline batteries	8pcs AA alkaline batteries	8pcs AA alkaline batteries
Power	DC 6V	DC 6V	DC 6V
Emergency Power	DC 5V	DC 5V	DC 5V
Static Current	$\leq 50\mu\text{A}$	$\leq 50\mu\text{A}$	$\leq 50\mu\text{A}$
Dynamic Current	$\leq 200\text{mA}$	$\leq 200\text{mA}$	$\leq 200\text{mA}$
Working Temperature	-25°C~60°C	-25°C~60°C	-25°C~60°C
Working Relative Humidity	20%~90%RH	20%~90%RH	20%~90%RH
Human Voice	Yes	Yes	Yes
Keypad	Standard 12-bit touch keypad	Standard 12-bit touch keypad	Standard 12-bit touch keypad
Low Voltage Alarm	4.6+0.2V	4.6+0.2V	4.6+0.2V
Unlock Time	≤ 1 Second	≤ 1 Second	≤ 1 Second
Tested Service Life	300,000 times	300,000 times	300,000 times
Connect to Tuya APP	Wifi	Wifi	Wifi
Double-Locking	Yes	Yes	Yes

03 VIDEO INTERCOM



SINGLE-UNIT TUYA VIDEO INTERCOM

TD-D1R88-TY



TD-D1R88H-TY



TD-D2ICR88-TY



Model		TD-D1R88-TY	TD-D1R88H-TY	TD-D2ICR88-TY
Power Adapter	Input	AC100-240V 50/60Hz	AC100-240V 50/60Hz	AC100-240V 50/60Hz
	Output	DC12V 2A	DC12V 2A	DC12V 2A
	Relative Humidity	10%~90%	10%~90%	10%~90%
Indoor Unit	Dimensions	210x143x17.5mm	200x132x17.8mm	210x143x17.5mm
	Screen Size	7 inches LCD	7 inches LCD	7 inches LCD
	Screen Resolution	1024*600 IPS	1024*600 IPS	1024*600 IPS
	Power Consumption	working state <8W, static <3.5W	working state <8W, static <3.5W	working state <8W, static <3.5W
	Sound	70-80 dB (<30cm)	70-80 dB (<30cm)	70-80 dB (<30cm)
	Working Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C
	Network	2.4G WiFi	2.4G WiFi	2.4G WiFi
	Functions	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu
	Expanded Memory	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message
Outdoor Unit	Dimensions	66x138x23.5mm	66x138x23.5mm	66x138x23.5mm
	Pixel	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)
	View Angle	140 degrees horizontal angle	140 degrees horizontal angle	140 degrees horizontal angle
	Night Vision	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image
	Fill Light	940nm(Infrared)	940nm(Infrared)	940nm(Infrared)
	Lock Control	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting
	IC Card Unlock	no	no	yes
	Power Consumption	Working state< 5W, Static <1W	Working state< 5W, Static <1W	Working state< 5W, Static <1W
	Sound	60-70dB (<30cm)	60-70dB (<30cm)	60-70dB (<30cm)
	Operating Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C
	IP Rating	IPx4	IPx4	IPx4
Tuya APP		20 users capacity, supports functions including: intercom, photo, video, monitor, unlock, cloud storage, alarm message, video playback.	20 users capacity, supports functions including: intercom, photo, video, monitor, unlock, cloud storage, alarm message, video playback.	20 users capacity, supports functions including: intercom, photo, video, monitor, unlock, cloud storage, alarm message, video playback.

SINGLE-UNIT TUYA VIDEO INTERCOM

TD-D2ICR88H-TY



TD-D3R88-TY



TD-D3R88H-TY



Model		TD-D2ICR88H-TY	TD-D3R88-TY	TD-D3R88H-TY
Power Adapter	Input	AC100-240V 50/60Hz	AC100-240V 50/60Hz	AC100-240V 50/60Hz
	Output	DC12V 2A	DC12V 2A	DC12V 2A
	Relative Humidity	10%~90%	10%~90%	10%~90%
Indoor Unit	Dimensions	200x132x17.8mm	210x143x17.5mm	200x132x17.8mm
	Screen Size	7 inches LCD	7 inches LCD	7 inches LCD
	Screen Resolution	1024*600 IPS	1024*600 IPS	1024*600 IPS
	Power Consumption	working state <8W, static <3.5W	working state <8W, static <3.5W	working state <8W, static <3.5W
	Sound	70-80 dB (<30cm)	70-80 dB (<30cm)	70-80 dB (<30cm)
	Working Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C
	Network	2.4G WiFi	2.4G WiFi	2.4G WiFi
	Functions	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu
	Expanded Memory	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message
Outdoor Unit	Dimensions	66x138x23.5mm	72x139x23.5mm	72x139x23.5mm
	Pixel	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)
	View Angle	140 degrees horizontal angle	140 degrees horizontal angle	140 degrees horizontal angle
	Night Vision	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image
	Fill Light	940nm(Infrared)	940nm(Infrared)	940nm(Infrared)
	Lock Control	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting
	IC Card Unlock	yes	no	no
	Power Consumption	Working state< 5W, Static <1W	Working state< 5W, Static <1W	Working state< 5W, Static <1W
	Sound	60-70dB (<30cm)	60-70dB (<30cm)	60-70dB (<30cm)
	Operating Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C
	IP Rating	IPx4	IPx4	IPx4
Tuya APP		20 users capacity, supports functions including: intercom, photo, video, monitor, unlock, cloud storage, alarm message, video playback.	20 users capacity, supports functions including: intercom, photo, video, monitor, unlock, cloud storage, alarm message, video playback.	20 users capacity, supports functions including: intercom, photo, video, monitor, unlock, cloud storage, alarm message, video playback.

SINGLE-UNIT NON-TUYA VIDEO INTERCOM

TD-D1R88



TD-D1R88H



TD-D2ICR88



Model		TD-D1R88	TD-D1R88H	TD-D2ICR88
Power Adapter	Input	AC100-240V 50/60Hz	AC100-240V 50/60Hz	AC100-240V 50/60Hz
	Output	DC12V 2A	DC12V 2A	DC12V 2A
	Relative Humidity	10%~90%	10%~90%	10%~90%
Indoor Unit	Dimensions	210x143x17.5mm	200x132x17.8mm	210x143x17.5mm
	Screen Size	7 inches LCD	7 inches LCD	7 inches LCD
	Screen Resolution	1024*600 IPS	1024*600 IPS	1024*600 IPS
	Power Consumption	working state <8W, static <3.5W	working state <8W, static <3.5W	working state <8W, static <3.5W
	Sound	70-80 dB (<30cm)	70-80 dB (<30cm)	70-80 dB (<30cm)
	Working Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C
	Functions	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu
	Expanded Memory	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message
Outdoor Unit	Dimensions	66x138x23.5mm	66x138x23.5mm	66x138x23.5mm
	Pixel	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)
	View Angle	140 degrees horizontal angle	140 degrees horizontal angle	140 degrees horizontal angle
	Night Vision	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image
	Fill Light	940nm(Infrared)	940nm(Infrared)	940nm(Infrared)
	Lock Control	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting
	IC Card Unlock	no	no	yes
	Power Consumption	Working state< 5W, Static <1W	Working state< 5W, Static <1W	Working state< 5W, Static <1W
	Sound	60-70dB (<30cm)	60-70dB (<30cm)	60-70dB (<30cm)
	Operating Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C
	IP Rating	IPx4	IPx4	IPx4

SINGLE-UNIT NON-TUYA VIDEO INTERCOM

TD-D2ICR88H



TD-D3R88



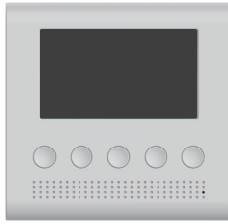
TD-D3R88H



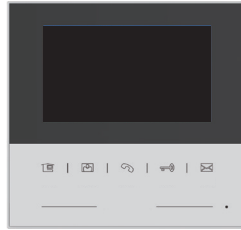
Model		TD-D2ICR88H	TD-D3R88	TD-D3R88H
Power Adapter	Input	AC100-240V 50/60Hz	AC100-240V 50/60Hz	AC100-240V 50/60Hz
	Output	DC12V 2A	DC12V 2A	DC12V 2A
	Relative Humidity	10%~90%	10%~90%	10%~90%
Indoor Unit	Dimensions	200x132x17.8mm	210x143x17.5mm	200x132x17.8mm
	Screen Size	7 inches LCD	7 inches LCD	7 inches LCD
	Screen Resolution	1024*600 IPS	1024*600 IPS	1024*600 IPS
	Power Consumption	working state <8W, static <3.5W	working state <8W, static <3.5W	working state <8W, static <3.5W
	Sound	70-80 dB (<30cm)	70-80 dB (<30cm)	70-80 dB (<30cm)
	Working Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C
	Functions	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu	intercom, photo, video, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color, lock delay adjustment, multi-language OSD menu
	Expanded Memory	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message	external TF card to automatically save photo video and message
Outdoor Unit	Dimensions	66x138x23.5mm	72x139x23.5mm	72x139x23.5mm
	Pixel	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)	2 million pixels/1080P (AHD signal)
	View Angle	140 degrees horizontal angle	140 degrees horizontal angle	140 degrees horizontal angle
	Night Vision	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image
	Fill Light	940nm(Infrared)	940nm(Infrared)	940nm(Infrared)
	Lock Control	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting	Connectable to magnetic lock and electric lock, indoor unit has locking delay time setting
	IC Card Unlock	yes	no	no
	Power Consumption	Working state< 5W, Static <1W	Working state< 5W, Static <1W	Working state< 5W, Static <1W
	Sound	60-70dB (<30cm)	60-70dB (<30cm)	60-70dB (<30cm)
	Operating Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C
	IP Rating	IPx4	IPx4	IPx4

BUILDING VIDEO INTERCOM - INDOOR MONITOR/CONTROL CENTER

TD68-S-R20



TD68-S-R21



TD68-S-R88H



TD68-S-R30



TD68-S-R50



TD-D3R88H



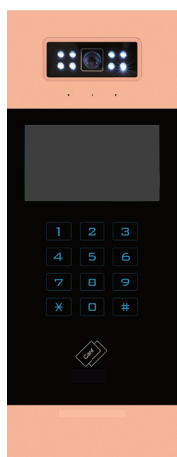
Model	TD68-S-R20	TD68-S-R21	TD68-S-R88H	TD68-S-R30	TD68-S-R50	TD68-S-GZ8H
Button	touch button	touch button	-	-	-	-
Screen	4.3" digital HD screen	4.3" digital HD screen	7" digital capacitive LCD touch screen	7" digital capacitive LCD touch screen	10.1" digital capacitive HD touch screen	10.1" LCD touch screen
Connectable Sensors	8	8	8	8	8	-
Power Supply	12V	12V	12V	12V	12V	-
Standby Current	110mA	110mA	180mA	180mA	170mA	-
Working Current	170mA	170mA	400mA	400mA	330mA	-
Working Temperature	-10°C~55°C	-10°C~55°C	-10°C~55°C	-10°C~55°C	-10°C~55°C	-10°C~55°C
Working Humidity	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
OS	Linux	Linux	Linux	Linux	Linux	Linux
Memory	64MB	64MB	64MB	64MB	64MB	1GB
Flash	8MB	8MB	8MB	8MB	8MB	8GB
Installation Method	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted	-
Appearance Size	138x133x12.8mm	138x130x12.8mm	210x143x17.5mm	174x119x17.8mm	245x158x19mm	227x197x25mm
Basic Functions	video intercom, calling property, remote unlocking, camera surveillance, security alarm, information release	video intercom, calling property, remote unlocking, camera surveillance, security alarm, information release	video intercom, calling property, remote unlocking, camera surveillance, security alarm, information release	video intercom, calling property, remote unlocking, camera surveillance, security alarm, information release	video intercom, calling property, remote unlocking, camera surveillance, security alarm, information release	Remotely monitor and unlock the outdoor station, talk to both outdoor station and indoor monitor, receive alarms
Extensible Functions	elevator linkage	elevator linkage	smart home, elevator linkage	smart home, elevator linkage	smart home, elevator linkage	-
Trudian APP	yes	yes	yes	yes	yes	-

BUILDING VIDEO INTERCOM - OUTDOOR STATION

TD68-S-D32A/ICL



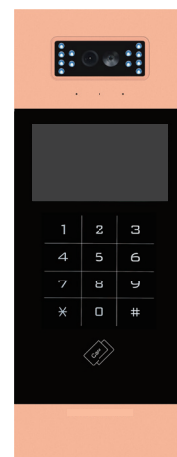
TD68-S-D32B/ICL



TD68-D232



TD68-S-D32HBR/ICL



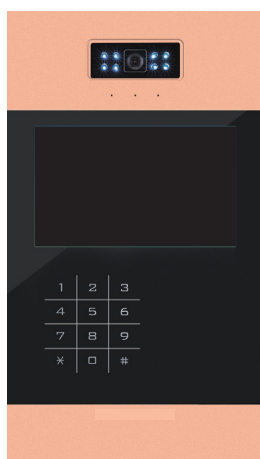
Model	TD68-S-D32A/ICL	TD68-S-D32B/ICL	TD68-D232	TD68-S-D32HBR/ICL
Button	mechanical button	touch button	touch button	touch button
Screen	4.3" LCD		4.3" LCD	4.3" LCD
Access Control	digital standard IC network access control		digital standard IC network access control	digital standard IC network access control
Face Recognition	-		10,000 capacity, liveness detection	10,000 capacity, liveness detection
Power Supply	12V		12V	12V
Standby Current	230mA		290mA	290mA
Working Current	250mA		700mA	700mA
Working Temperature	-40°C~70°C		-40°C~70°C	-40°C~70°C
Working Humidity	10%~90%		10%~90%	10%~90%
OS	Linux		Linux	Linux
Memory	64MB		1G	1G
Flash	8MB		8G	8G
Resolution	480*272		600*1024	600*1024
Camera	200W		200W	200W
Reading Distance	0~6mm		0~6mm	0~6mm
Card Capacity	unlimited (read and write sectors)		unlimited (read and write sectors)	unlimited (read and write sectors)
Installation Method	embedded		wall-mounted	embedded
Appearance Size	353x130x60mm		272x125x26mm	353x130x60mm
Wall Buried Size	340x122x52mm		-	340x122x52mm
Remote Online System Upgrade	yes		yes	yes
Basic Functions	video intercom, camera surveillance, elevator linkage		video intercom, camera surveillance, elevator linkage	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		intercom, password, card (IC card, CPU card, ID card), QR code, Bluetooth, phone app, cloud platform remote control	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		automatic detection of door opening and closing status	automatic detection of door opening and closing status
Visitors Leave Messages and Photos	yes		yes	yes
Smart Advertising Playback Function	-		infrared wake-up and auto-play	infrared wake-up and auto-play
Trudian APP	yes		yes	yes

BUILDING VIDEO INTERCOM - OUTDOOR STATION

TD68-S-D31A/ICL



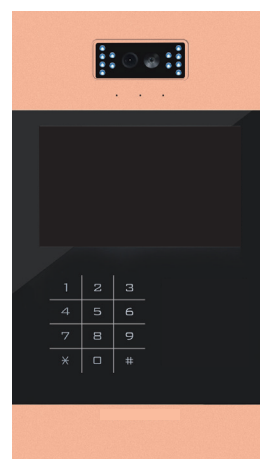
TD68-S-D32B/ICL



TD68-S-D31HAR/ICL



TD68-S-D31HBR/ICL



Model	TD68-S-D31A/ICL	TD68-S-D32B/ICL	TD68-S-D31HAR/ICL	TD68-S-D31HBR/ICL
Button	mechanical button	touch button	mechanical button	touch button
Screen	7" LCD		7" LCD	
Access Control	digital standard IC network access control		digital standard IC network access control	
Face Recognition	-		10,000 capacity, liveness detection	
Power Supply	12V		12V	
Standby Current	310mA		310mA	
Working Current	710mA		710mA	
Working Temperature	-40°C~70°C		-40°C~70°C	
Working Humidity	10%~90%		10%~90%	
OS	Linux		Linux	
Memory	64MB		1GB	
Flash	8MB		8GB	
Resolution	800*480		1024*600	
Camera	200W		200W	
Reading Distance	0~6mm		0~6mm	
Card Capacity	unlimited (read and write sectors)		unlimited (read and write sectors)	
Installation Method	embedded		embedded	
Appearance Size	353x199x58mm		353x199x58mm	
Wall Buried Size	333x187x50mm		333x187x50mm	
Remote Online System Upgrade	yes		yes	
Basic Functions	video intercom, camera surveillance, elevator linkage		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		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		automatic detection of door opening and closing status	
Visitors Leave Messages and Photos	yes		yes	
Smart Advertising Playback Function	-		infrared wake-up and auto-play	
Trudian APP	yes		yes	

BUILDING VIDEO INTERCOM - OUTDOOR STATION

TD68-D201K



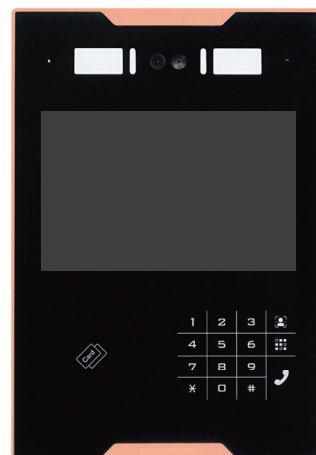
TD68-S-D80HR



TD68-S-D90HR



TD68-S-D93HR



Model	TD68-D201K	TD68-S-D80HR	TD68-S-D90HR	TD68-S-D93HR
Button	-	-	-	touch button
Screen	7" full touch screen, tempered glass panel	7" capacitive full touch screen, tempered glass panel	10.1" capacitive full touch screen, tempered glass panel	10.1" LCD
Access Control	digital standard IC network access control	digital standard IC network access control	digital standard IC network access control	digital standard IC network access control
Face Recognition	10,000 capacity, liveness detection	10,000 capacity, liveness detection	10,000 capacity, liveness detection	10,000 capacity, liveness detection
Power Supply	12V	12V	12V	12V
Standby Current	290mA	290mA	290mA	290mA
Working Current	700mA	710mA	700mA	700mA
Working Temperature	-40°C~70°C	-40°C~70°C	-40°C~70°C	-40°C~70°C
Working Humidity	10%~90%	10%~90%	10%~90%	10%~90%
OS	Linux	Linux	Linux	Linux
Memory	1G	1G	1G	1G
Flash	8G	8G	8G	8G
Resolution	600*1024	600*1024	800*1280	1280*800
Camera	200W	200W	200W	200W
Reading Distance	0~6mm	0~6mm	0~6mm	0~6mm
Card Capacity	unlimited (read and write sectors)	unlimited (read and write sectors)	unlimited (read and write sectors)	unlimited (read and write sectors)
Installation Method	wall-mounted	embedded	embedded	wall-mounted
Appearance Size	272x125x26mm	340x140x58mm	370x176x56.5mm	385x266x64mm
Wall Buried Size	-	323.5x127x50mm	354x166x48mm	-
Remote Online System Upgrade	yes	yes	yes	yes
Basic Functions	video intercom, camera surveillance, elevator linkage	video intercom, camera surveillance, elevator linkage	video intercom, camera surveillance, elevator linkage	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	intercom, password, card (IC card, CPU card, ID card), QR code, Bluetooth, phone app, cloud platform remote control	intercom, password, card (IC card, CPU card, ID card), QR code, Bluetooth, phone app, cloud platform remote control	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	automatic detection of door opening and closing status	automatic detection of door opening and closing status	automatic detection of door opening and closing status
Visitors Leave Messages and Photos	yes	yes	yes	yes
Smart Advertising Playback Function	infrared wake-up and auto-play	infrared wake-up and auto-play	infrared wake-up and auto-play	infrared wake-up and auto-play
Trudian APP	yes	yes	yes	yes

04 SWITCH



INTERNATIONAL STANDARD POE SWITCH

TD-P3204



TD-P3208



TD-P3204GF



TD-P3308GF



Model		TD-P3204	TD-P3208	TD-P3204GF	TD-P3308GF
Port Characteristics	Fixed Port	4 * 10/100Base-TX PoE ports (Data/Power) 2 * 10/100Base-TX uplink RJ45 ports (Data)	8 * 10/100Base-TX PoE ports (Data/Power) 2 * 10/100Base-TX uplink RJ45 ports (Data)	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)	8 * 10/100/1000Base-T POE ports (Data/Power) 2 * 10/100/1000Base-T RJ45 network port 1 * 1000Base-X uplink SFP optical port slot (Data)
	Network Port Characteristics	10/100BaseT (X) automatic detection, full/half duplex MDI/MDI-X adaptive		1-5/1-10 ports 10/100/1000Base-T automatic detection, full/half duplex MDI/MDI-X adaptive	
	Twisted Pair Transmission	10BASE-TX: Cat5 or later UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)		10BASE-TX: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
	Optical Port Characteristics	-		Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order mode/multimode, single fiber/dual fiber optical modules, LC)	
	Fiber Optic Cable	-		Multi mode: 850nm 0 ~ 550M, Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.	
Chip Parameters	Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x		IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x	
	Forwarding Mode	Store-and-forward (full wire speed)		Store-and-forward (full wire speed)	
	Backplane Bandwidth	1.6Gbps (non-blocking)	2Gbps (non-blocking)	12Gbps (non-blocking)	12Gbps (non-blocking)
	Packet Forwarding Rate@64byte	0.89Mpps	1.488Mpps	8.93Mpps	16.37Mpps
	MAC Address Table	1K	2K	2K	4K
	Packet Forwarding Cache	768K	1.25M	2M	
	Jumbo Frame	1536byte		9.2K	
	LED Indicator	Power indicator: PWR (green); Network indicator: L/A (green); Long-distance function indicator: EXTEND (green)		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	1-8 ports support IEEE802.3af/at standard POE power supply	1-4 ports support IEEE802.3af/at standard POE power supply	1-8 ports support IEEE802.3af/at standard POE power supply
	Power Pin	Default 1/2(+), 3/6(-) 4-core power supply		Default 1/2(+), 3/6(-) 4-core power supply	
	Maximum/Average Single Port Power	30W/15W		30W, standard IEEE802.3af/at	
	Total Power/Input Voltage	65W (AC100-240V)	120W (AC100-240V)	65W (AC100-240V)	65W (AC100-240V)
	Power Consumption	Standby power consumption: <3W; full load power consumption: <60W	Standby power consumption: <5W; full load power consumption: <120W	Standby power consumption: <4W; full load power consumption: <65W	Standby power consumption: <6W; full load power consumption: <120W
	Power Supply	Built-in switching power supply AC: 100 ~ 240V 50-60Hz 1A	Built-in switching power supply AC: 100 ~ 240V 50-60Hz 2.2A	Built-in switching power supply AC: 100 ~ 240V 50-60Hz 1A	Built-in switching power supply AC: 100 ~ 240V 50-60Hz 2.2A
Physical Specifications	Appearance Size (L*W*H)	200*118*44mm		200*118*44mm	
	Net/Gross Weight	< 0.8kg / < 1.2kg		< 0.6kg / < 1kg	< 0.8kg / < 1.2kg
	Working Temperature/Humidity	-20 ~ +55°C; 5% ~ 90% RH non-condensing		-20 ~ +55°C; 5% ~ 90% RH non-condensing	
	Storage Temperature/Humidity	-40 ~ +75°C; 5% ~ 95% RH non-condensing		-40 ~ +75°C; 5% ~ 95% RH non-condensing	
	Installation Method	Desktop, wall-mounted installation		Desktop, wall-mounted installation	
Product Certification	Lightning Protection & Protection Level	Port lightning protection: 4KV 8/20us; Protection class: IP30		Port lightning protection: 4KV 8/20us; Protection class: IP30	
	Certification	CCC, CE, FCC, RoHS		CCC, CE, FCC, RoHS	

INTERNATIONAL STANDARD POE SWITCH

TD-P3316



TD-P3324



TD-MIS308P-2G4F



Model		TD-P3316	TD-P3324	TD-MIS308P-2G4F
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)	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)	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	1-16 ports 10/100Base-TX, 17-18 ports 10/100/1000Base-T(X) automatic detection, full/half duplex MDI/MDI-X adaptive	1-24 ports 10/100Base-TX, 25-26 ports 10/100/1000Base-T(X) automatic detection, full/half duplex MDI/MDI-X adaptive	1-8/1-10 ports 10/100/1000M self-adaptive, full/half duplex MDI/MDI-X self-adaptive
	Twisted Pair Transmission	10BASE-TX: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)		10BASE-T: Cat3,4,5 UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
	Optical Port Characteristics	Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order mode/multi-mode, single fiber/dual fiber optical modules, LC)		Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order can be single-mode/multi-mode, single-fiber/dual-fiber optical modules, LC/SC)
	Fiber Optic Cable	Multimode - working wavelength: 850nm, transmission distance: 0~500M; Single mode - working wavelength: 1310nm, transmission distance: 0~40KM; working wavelength: 1550nm, transmission distance: 0~120KM.		Multi-mode: 850nm 0 ~ 550M, 50μm/125μm & 62.5μm/125μm Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM, 9.5μm/125μm
Chip Parameters	Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x		IEEE802.3 10BASE-T;IEEE802.3i 10Base-T IEEE802.3u 100Base-TX;IEEE802.3x Flow Control IEEE802.3ab 1000Base-T;IEEE802.3z 1000Base-X IEEE 802.3ad port trunk with LACP; IEEE 802.1D Spanning Tree protocol
	Forwarding Mode	Store-and-forward (full wire speed)		Store-and-forward (full wire speed)
	Backplane Bandwidth	12.8Gbps (non-blocking)		28Gbps (non-blocking)
	Packet Forwarding Rate@64byte	5.36Mpps	6.55Mpps	20.83Mpps
	MAC Address Table	16K		8K
	Packet Forwarding Cache	4M		4.1M
	Jumbo Frame	10K		10K
	LED Indicator	Power indicator: PWR (green); Network indicator: Link (yellow); PoE indicator: PoE (green)		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	1-16 ports support IEEE802.3af/at standard POE power supply	1-24 ports support IEEE802.3af/at standard POE power supply	1-8 ports support IEEE802.3af/at standard POE power supply
	Power Pin	Default 1/2(+), 3/6(-) 4-core power supply		Default 1/2(+), 3/6(-) 4-core power supply
	Maximum/Average Single Port Power	30W, standard IEEE802.3af/at		30W, standard IEEE802.3af/at
	Total Power/Input Voltage	250W (AC100-240V)		DC48-57V
	Power Consumption	Standby power consumption: <15W; full load power consumption: <240W	Standby power consumption: <20W; full load power consumption: <250W	Standby power consumption: <13W; full load power consumption: <120W@af, 240W@at
	Power Supply	Built-in switching power supply, AC: 100 ~ 240V 50-60Hz 4.1A		DC48V/120W or DC48V/240W
Physical Specifications	Appearance Size (L*W*H)	270*185*45mm	290*200*44mm	175*135*48mm
	Net/Gross Weight	<1.5kg / <1.7kg	<2.0kg / <2.3kg	<1.3kg / <1.6kg
	Working Temperature/Humidity	-20 ~ +55°C; 5% ~ 90% RH non-condensing		-40 ~ +75°C; 5% ~ 90% RH non-condensing
	Storage Temperature/Humidity	-40 ~ +75°C; 5% ~ 95% RH non-condensing		-40 ~ +85°C; 5% ~ 95% RH non-condensing
	Installation Method	Desktop, wall-mounted installation		Desktop, DIN-rail installation
Product Certification	Lightning Protection & Protection Level	Port lightning protection: 4KV 8/20us; Protection class: IP30		Port lightning protection: 6KV 8/20us; Protection class: IP40
	Certification	CCC, CE, FCC, RoHS		CCC, CE, FCC, RoHS

NON- POE SWITCH

TD-S1005G



TD-S1008G



TD-S1216GF



TD-S1224GF



Model		TD-S1005G	TD-S1008G	TD-S1216GF	TD-S1224GF
Port Characteristics	Fixed Port	5 * 10/100Base-TX RJ45 ports (Data)	8 * 10/100Base-TX RJ45 ports (Data)	16 * 10/100/1000Base-TX RJ45 ports (Data) 2 * 1000Base-X SFP uplink optical port slots (Data)	24 * 10/100/1000Base-TX RJ45 ports (Data) 2 * 1000Base-X SFP uplink optical port slots (Data)
	Network Port Characteristics	10/100Base-TX automatic detection, full/half duplex MDI/MDI-X adaptive		10/100/1000Base-T automatic detection, full/half duplex MDI/MDI-X adaptive	
	Twisted Pair Transmission	10BASE-T : Cat3,4,5 UTP(≤100 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter)		10BASE-TX: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
	Optical Port Characteristics	Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order mode/multimode, single fiber/dual fiber optical modules, LC/SC)		Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order mode/multimode, single fiber/dual fiber optical modules, LC/SC)	
	Fiber Optic Cable	Multi-mode : 850nm 0 ~ 550M , 50μm/125μm&62.5μm/125μm Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm		Multi-mode : 850nm 0 ~ 550M , 50μm/125μm&62.5μm/125μm Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm	
Chip Parameters	Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x		IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x	
	Forwarding Mode	Store-and-forward (full wire speed)		Store-and-forward (full wire speed)	
	Backplane Bandwidth	1Gbps (non-blocking)	1.6Gbps (non-blocking)	48Gbps (non-blocking)	52Gbps (non-blocking)
	Packet Forwarding Rate@64byte	0.74Mpps	1.19Mpps	26.78Mpps	38.69Mpps
	MAC Address Table	8K		8K	
	Packet Forwarding Cache	512K	768K	4M	
	Jumbo Frame	1536byte		10Kbyte	
	LED Indicator	Power indicator: PWR (green); Data indicator: Link/Act (green)		Power indicator: PWR (green); Data indicator: Link/Act (green)	
PoE and Power Characteristics	Total Power/Input Voltage	5W (DC 5V)		30W (AC100-240V)	
	Power Consumption	Standby power consumption: <1W; full load power consumption: <2W	Standby power consumption: <1W; full load power consumption: <3W	Standby power consumption: <6W; full load power consumption: <12W	Standby power consumption: <8W; full load power consumption: <15W
	Power Supply	External power adapter, AC: 100 ~ 240V 50-60Hz 0.36A		Built-in switching power supply, AC: 100 ~ 240V 50-60Hz 0.56A	
Physical Specifications	Appearance Size (L*W*H)	93*48*25mm	140*48*25mm	290*200*45mm	
	Net/Gross Weight	< 0.2kg / < 0.4kg	< 0.3kg / < 0.5kg	< 1.0kg / < 1.5kg	
	Working Temperature/Humidity	0 ~ +55°C; 5% ~ 90% RH non-condensing		-20 ~ +55°C; 5% ~ 90% RH non-condensing	
	Storage Temperature/Humidity	-40 ~ +75°C; 5% ~ 95% RH non-condensing		-40 ~ +75°C; 5% ~ 95% RH non-condensing	
	Installation Method	Desktop, wall-mounted installation		Desktop, wall-mounted installation	
Product Certification	Lightning Protection & Protection Level	Port lightning protection: 4KV 8/20us; Protection class: IP30		Port lightning protection: 4KV 8/20us; Protection class: IP30	
	Certification	CCC, CE, FCC, RoHS		CCC, CE, FCC, RoHS	

NON- POE SWITCH

TD-IS3204GF



TD-IS3208GF



TD-IS3216GF



Model		TD-IS3204GF		TD-IS3208GF	TD-IS3216GF
Port Characteristics	Fixed Port	downlink port: 4 * 10/100/1000Base-T RJ45 network ports uplink port: 2 * 1000M SFP optical port slots		downlink port: 8 * 10/100/1000Base-T RJ45 network ports uplink port: 2 * 1000M SFP optical port slots	downlink port: 16 * 10/100/1000Base-T RJ45 network ports uplink port: 2 * 1000M SFP optical port slots
	Network Port Characteristics	1-4/1-8 ports 10/100/1000M adaptive, full/half duplex MDI/MDI-X adaptive			1-16 ports 10/100/1000M adaptive, full/half duplex MDI/MDI-X adaptive
	Twisted Pair Transmission	10BASE-T: Cat3, 4, 5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)			10BASE-T: Cat3, 4, 5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
	Optical Port Characteristics	Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order mode/multi-mode, single fiber/dual fiber optical modules, LC/SC)			Gigabit SFP optical fiber interface, the default is not equipped with optical modules, which need to be purchased separately, (optional order mode/multi-mode, single fiber/dual fiber optical modules, LC/SC)
	Fiber Optic Cable	Multi-mode : 850nm 0 ~ 550M , 50μm/125μm&62.5μm/125μm Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm			Multi-mode : 850nm 0 ~ 550M , 50μm/125μm&62.5μm/125μm Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm
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 Flow Control			IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x Flow Control; IEEE 802.3af DTE Power via MDI; IEEE 802.3at DTE Power via MDI;
	Forwarding Mode	Store-and-forward (full wire speed)			Store-and-forward (full wire speed)
	Backplane Bandwidth	12Gbps (non-blocking)		20Gbps (non-blocking)	52Gbps (non-blocking)
	Packet Forwarding Rate@64byte	8.928Mpps		14.88Mpps	26.78Mpps
	MAC Address Table	2K		8K	8K
	Packet Forwarding Cache	2M			4.1M
	Jumbo Frame	9.2Kbytes			10Kbytes
	LED Indicator	Power indicator: PWR (green); Network indicator: Link/Act (green); Optical port indicator: SFP (green).			Power indicator: PWR (green); Network indicator: Link/Act (green); Optical port indicator: SFP (green).
PoE and Power Characteristics	Total Power/Input Voltage	DC12-57V			DC12-57V
	Power Consumption	Standby power consumption: <5W; full load power consumption: <8W	Standby power consumption: <8W; full load power consumption: <10W	Standby power consumption: <12W; full load power consumption: <15W	
	Power Supply	DC24V/1A			DC24V/1A
Physical Specifications	Appearance Size (L*W*H)	135*95*35mm		150*125*48mm	195*145*48mm
	Net/Gross Weight	< 0.5kg / < 0.8kg		< 1.0kg / < 1.3kg	< 1.5kg / < 2.0kg
	Working Temperature/Humidity	-40 ~ +75°C; 5% ~ 90% RH non-condensing			-40 ~ +75°C; 5% ~ 90% RH non-condensing
	Storage Temperature/Humidity	-40 ~ +85°C; 5% ~ 95% RH non-condensing			-40 ~ +85°C; 5% ~ 95% RH non-condensing
	Installation Method	Desktop, wall-mounted installation			desktop, DIN-rail installation
Product Certification	Lightning Protection & Protection Level	Port lightning protection: 6KV 8/20us; Protection class: IP40			Port lightning protection: 6KV 8/20us; protection level: IP40
	Certification	CCC, CE, FCC, RoHS			CCC, CE, FCC, RoHS



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