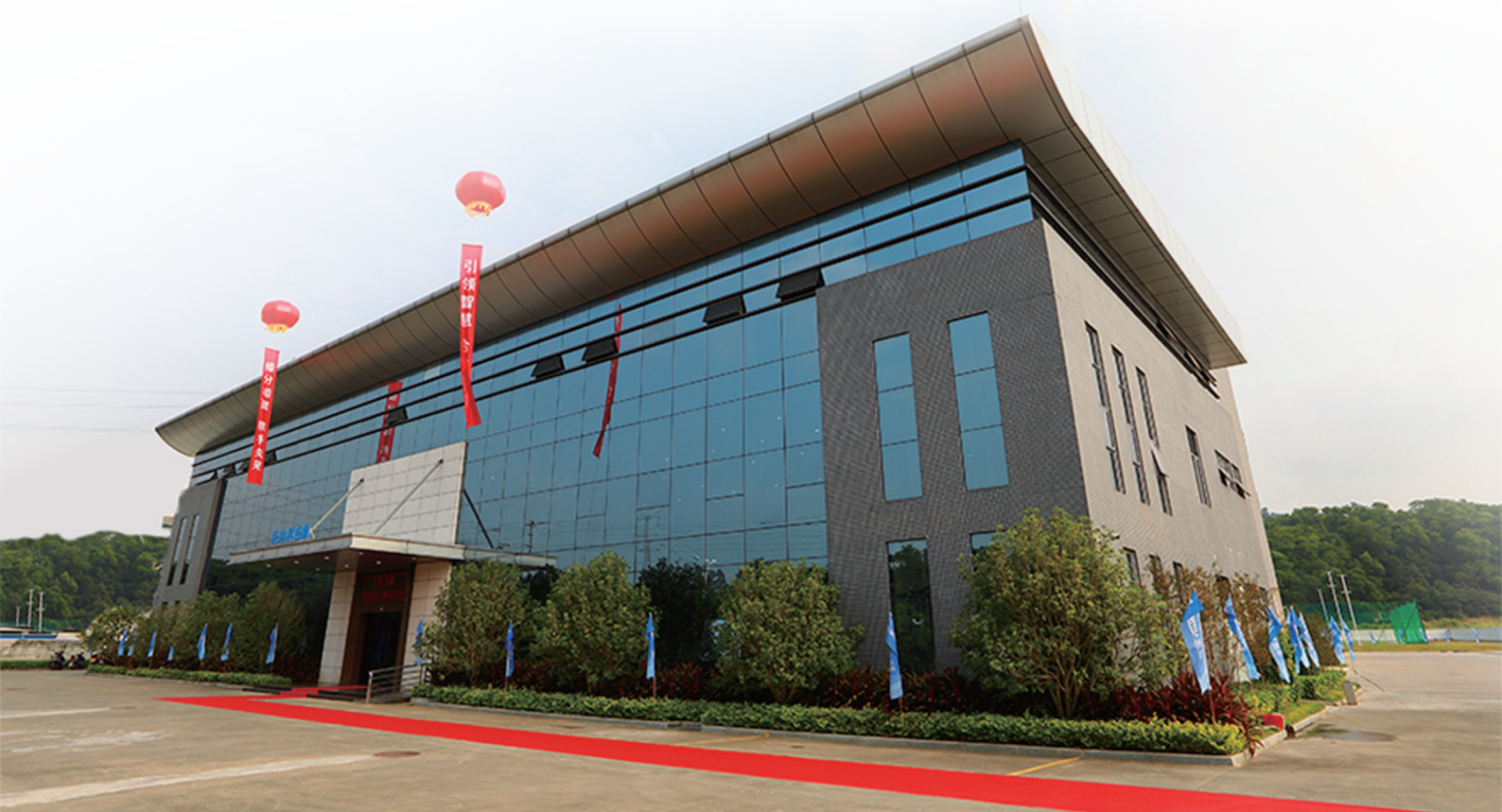Trudian

Touch the future, light up life.

Trudian Smart Community Security Solutions

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.

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 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.

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**.
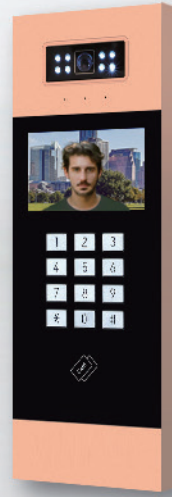

Trudian maintains offices in the majority of Chinese provinces, and has expanded its presence with branches in **Shenzhen**, **Hong Kong**, **Japan** and the **Philippines**.

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.

VIDEO INTERCOM

2-WIRE IP VIDEO INTERCOM KIT

TD-D2ICR36W tuya   TD-D2ICR36S

	Model	TD-D2ICR36W	TD-D2ICR36S
Whole Unit	Adapter	input: AC100-240V 50/60Hz output: DC12V 2A	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)	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)	0~50m (RVV2*0.5mm²)
	Wiring	2-wire connection (No polarity)	2-wire connection (No polarity)
	Working Temperature	-20℃~70℃	-20℃~70℃
	Working Relative Humidity	10%~70%	10%~70%
	Call Duration	2 minutes	2 minutes
	2-Way Audio	support	support
	Tuya APP	20 users capacity, supports functions including: call, photo, video, monitor, unlock, cloud storage, alarm message, video playback	-
Indoor Monitor	Dimensions	219x124x20mm	219x124x20mm
	Display	7" IPS LCD touch screen	7" IPS LCD touch screen
	Screen Resolution	1024*600	1024*600
	OS	Embedded Linux	Embedded Linux
	Material	engineering ABS plastic and tempered glass	engineering ABS plastic and tempered glass
	Power Consumption	static state <3W, working state <4W	static state <3W, working state <4W
	Working Voltage	DC 12~24V	DC 12~24V
	Network	2.4G WiFi	-
	Installation	wall-mounted	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	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	max 512GB storage, automatically save photo and video
	Photo Storage Capacity	1000	1000
Outdoor Station	Dimensions	66x138x23.5mm	66x138x23.5mm
	Material	engineering ABS plastic	engineering ABS plastic
	Camera	2 million pixels/1080P	2 million pixels/1080P
	View Angle	110°	110°
	Night Vision	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image
	Fill Light	940nm (6 Infrared LED)	940nm (6 Infrared LED)
	Door Lock Control	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting
	Smart Motion Detection	photo and video	photo and video
	IC Card Unlock	support	support
	Power Consumption	static state <2W, working state <4W	static state <2W, working state <4W
	Installation	wall-mounted	wall-mounted
	IP Rating	IP65	IP65

2-WIRE IP VIDEO INTERCOM KIT

TD-D2R36W tuya   TD-D2R36S

Model		TD-D2R36W	TD-D2R36S
Whole Unit	Adapter	input: AC100-240V 50/60Hz output: DC12V 2A	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)	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)	0~50m (RVV2*0.5mm²)
	Wiring	2-wire connection (No polarity)	2-wire connection (No polarity)
	Working Temperature	-20℃~70℃	-20℃~70℃
	Working Relative Humidity	10%~70%	10%~70%
	Call Duration	2 minutes	2 minutes
	2-Way Audio	support	support
	Tuya APP	20 users capacity, supports functions including: call, photo, video, monitor, unlock, cloud storage, alarm message, video playback	-
Indoor Monitor	Dimensions	219x124x20mm	219x124x20mm
	Display	7" IPS LCD touch screen	7" IPS LCD touch screen
	Screen Resolution	1024*600	1024*600
	OS	Embedded Linux	Embedded Linux
	Material	engineering ABS plastic and tempered glass	engineering ABS plastic and tempered glass
	Power Consumption	static state <3W, working state <4W	static state <3W, working state <4W
	Working Voltage	DC 12~24V	DC 12~24V
	Network	2.4G WiFi	-
	Installation	wall-mounted	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	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	max 512GB storage, automatically save photo and video
	Photo Storage Capacity	1000	1000
Outdoor Station	Dimensions	66x138x23.5mm	66x138x23.5mm
	Material	engineering ABS plastic	engineering ABS plastic
	Camera	2 million pixels/1080P	2 million pixels/1080P
	View Angle	110°	110°
	Night Vision	IR CUT switch, high color precision, black and white image	IR CUT switch, high color precision, black and white image
	Fill Light	940nm (6 Infrared LED)	940nm (6 Infrared LED)
	Door Lock Control	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting
	Smart Motion Detection	photo and video	photo and video
	Power Consumption	static state <2W, working state <4W	static state <2W, working state <4W
	Installation	wall-mounted	wall-mounted
	IP Rating	IP65	IP65

IP VIDEO INTERCOM - INDOOR MONITOR

TD-R39
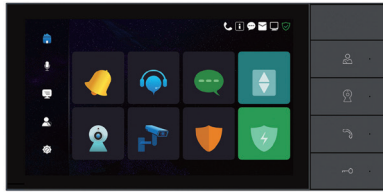
TD-R88

Model	TD-R39	TD-R88
Button	touch button	-
Appearance Size	226x110x12.4mm	210x143x17.5mm
Resolution	800*480	
Connectable Sensors	8	
Material	engineering ABS plastic + tempered glass	
Power Supply	DC 12V	
Networking Method	TCP/IP	
Standby Current	150mA	
Working Current	450mA	
Working Temperature	-10℃~+55℃	
Working Humidity	10%~90%	
OS	Embeded System	
CPU	ARM Cortex A8 600MHz	
Memory	128MB	
Flash	16MB	
Codec	H264, 720P 30fps	
Installation Method	wall-mounted	
Screen	7" capacitive touch screen	
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	
Power Interface	12V power interface	
Network Interface	1 set of RJ45 10M/100M Ethernet port	
Alarm Zone Interface	8 sets (connected to security sensor)	
485 Signal	1 set	
Ding Dong Input	1 set	

IP VIDEO INTERCOM - OUTDOOR STATION

TD-D32A
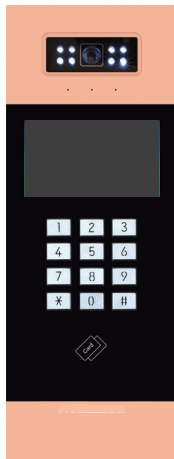
TD-D32B

TD-D232
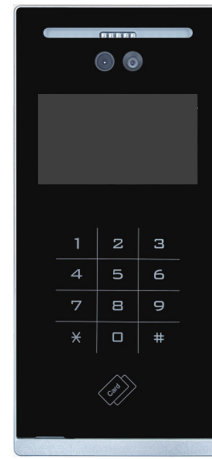
Model	TD-D32A	TD-D32B	TD-D232
Button	mechanical button	touch button	touch button
Screen	4.3" LCD		4.3" LCD
Access Control	digital standard IC network access control		digital standard IC network access control
Face Recognition	-		10,000 capacity, liveness detection
Power Supply	12V		12V
Standby Current	230mA		290mA
Working Current	250mA		700mA
Working Temperature	-40℃~70℃		-40℃~70℃
Working Humidity	10%~90%		10%~90%
OS	Linux		Linux
Memory	64MB		1G
Flash	8MB		8G
Resolution	480*272		600*1024
Camera	2 million pixels		2 million pixels
Reading Distance	0~6mm		0~6mm
Card Capacity	unlimited (read and write sectors)		unlimited (read and write sectors)
Installation Method	embedded		wall-mounted
Appearance Size	353x130x60mm		272x125x26mm
Wall Buried Size	340x122x52mm		-
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 Community Management Center Platform	yes		yes
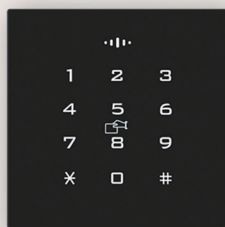
FINGERPRINT TIME ATTENDANCE & ACCESS CONTROL

● NEW

Model	TD-13MAT
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

● NEW
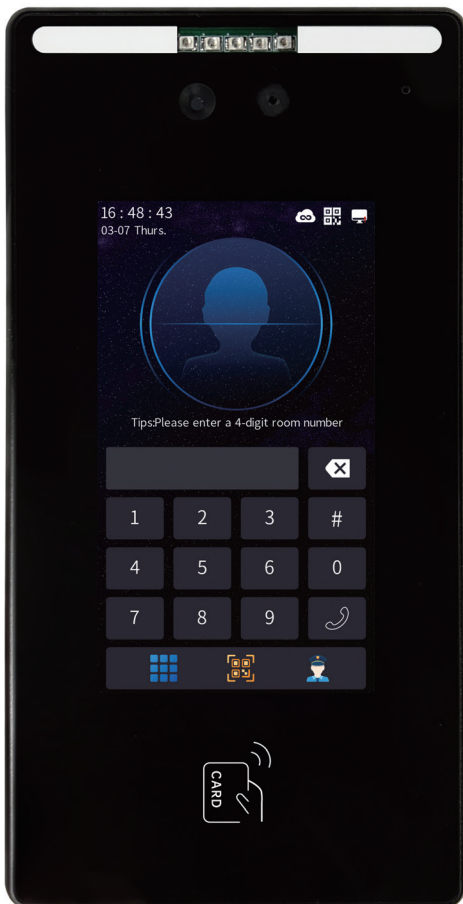
Model	TD-15MWK
Unlocking	facial recognition, password, card, QR code, cloud platform remote control
Appearance Size	205*105*16mm
Material	luxurious pure aluminum + tempered glass
Screen Display	5" touch screen
Screen Resolution	720*1280
Camera	2 million pixels
Operating System	Linux
CPU	ARM Cortex A7, 4 Cores
Memory	4G
Flash	8G
Facial Recognition	20,000 capacity, liveness detection
Network Mode	TCP/IP
Reading Distance	0-6cm
Card Capacity	unlimited (read and write sectors)
Power Supply	DC 12V
Operating Current	970mA
Standby Current	500mA
Working Temperature	-40℃~70℃
Working Humidity	10%~90%
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

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			
External Interface	Power Supply	12V power interface		
	Network	1 set of RJ45 10M/100M auto-sensing Ethernet port		
	485	1 set of 485 bus communication interface		
	Exit Button	1 set of exit button signal detection input interface		
	Door Magnetic Sensor	1 set of door magnetic sensor signal detection input interface		
	Unlock	1 set of common port, NO port and NC port		
Trudian Security Management Center Platform	support			

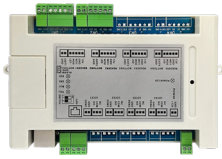# ACCESS CONTROL TERMINAL / USB CARD ISSUER

TD-12MAK   **TD-12MAT**   **TD-12MWT**   **TD-09MR**

Model	TD-12MAK	TD-12MAT	TD-12MWT	TD-09MR
Working Modes	standalone	standalone	TCP/IP networking, standalone	Working Modes
Unlocking Methods	PIN, card, PIN+card, exit button, management center	card, exit button, management center	QR Code, card, exit button, management center	-
Trudian Security Management Center Platform	support	support	support	-
Networking	-	-	Wired/2G/4G	-
Appearance Size	118x72x16mm	118x72x16mm	Φ110*25mm	118*72*16mm
Working Voltage	DC12V	DC12V	DC12V	DC5V
Standby Current	40mA±20mA	40mA±20mA	240mA	-
Working Current	60mA±20mA	60mA±20mA	280mA	-
OS	Embedded system	Embedded system	Embedded system	Embedded system
CPU	ARM Cortex M0	ARM Cortex M0	ARM Cortex M3	ARM Cortex M3
Memory	8K	8K	64K	20K
Flash	64K	64K	512K+8M	64K
Card Reading Distance	0~4cm	0~4cm	0-6cm	0~4cm
PIN Capacity	1000	-	-	-
Card Capacity	1000	1000	unlimited (read/write sectors)	-
PIN + Card Capacity	1000	-	-	-
Unlock Record Capacity	1000	1000	1000	-
Working Temperature	-40℃~70℃	-40℃~70℃	-10℃~50℃	-20℃~70℃
Working Humidity	10%~93%	10%~93%	10%~90%	10%~93%
Appearance Material	ABS	ABS	engineering ABS + imported Acrylic	ABS
Installation Method	wall-mounted	wall-mounted	wall-mounted	wall-mounted
External Interface — Power Supply	12V power interface	12V power interface	12V power interface	-
External Interface — Network	-	-	1 set of RJ45 10M/100M adaptive Ethernet port	-
External 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	-
External Interface — Door Magnetic Sensor	1 set of door magnetic sensor signal detection input interface	1 set of door magnetic sensor signal detection input interface	-	-
External Interface — Unlock	-	-	1 set of relay common port, NO port and NC port	-
External 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	-	-
External Interface — Doorbell	1 set of Dingdong doorbell signal output interface	1 set of Dingdong doorbell signal output interface	-	-
External Interface — Data Backup	1 set of data backup and record export interface	1 set of data backup and record export interface	-	-
External Interface — Wiegand	1 set of Wiegand bus communication interface	1 set of Wiegand bus communication interface	-	-
External Interface — Wiegand Communication Mode	1 set of WG26/WG34 data format switching interface	1 set of WG26/WG34 data format switching interface	-	-
External Interface — Status Sync	1 set of controller-synced indicator/buzzer status signal interface	1 set of controller-synced indicator/buzzer status signal interface	-	-
Card reading Type	IC card	IC card	IC card	ISO/14443 Type A standard Mifare series cards
External Connection	-	-	-	USB

ACCESS 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℃~70℃	-20℃~70℃	-20℃~70℃
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

ACCESS CONTROLLER

TD-8701A (One door)

TD-8702A （Two doors)
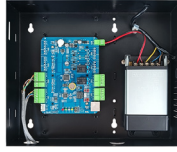
TD-8704A （Four doors)

| 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

ACCESS CONTROL READER

TD-RM01 **TD-RM02** **TD-RM03** **TD-RM04** **TD-RM05**
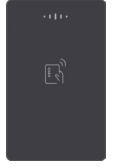
Model	TD-RM01	TD-RM02	TD-RM03	TD-RM04	TD-RM05
Unlocking Methods	PIN, dynamic password, card	card	PIN, dynamic password, card	card	card
Appearance Material	pure aluminum frame, tempered glass lens	pure aluminum frame, tempered glass lens	ABS	ABS	ABS
Appearance Size	86x86x28mm	86x86x28mm	86x86x28mm	86x86x28mm	118*72*16mm
Bare Size	86x86x8mm	86x86x8mm	86x86x8mm	86x86x8mm	118*72*16mm
Working Voltage	DC12V	DC12V	DC12V	DC12V	DC12V
Standby Current	40mA±20mA	40mA±20mA	40mA±20mA	40mA±20mA	40mA±20mA
Working Current	60mA±20mA	60mA±20mA	60mA±20mA	60mA±20mA	60mA±20mA
OS	Embedded system	Embedded system	Embedded system	Embedded system	Embedded system
CPU	ARM Cortex M0	ARM Cortex M0	ARM Cortex M0	ARM Cortex M0	ARM Cortex M0
Memory	8K	8K	8K	8K	8K
Flash	64K	64K	64K	64K	64K
Reading Distance	0~4cm	0~4cm	0~4cm	0~4cm	0~6cm
Working Temperature	-40℃~70℃	-40℃~70℃	-40℃~70℃	-40℃~70℃	-40℃~70℃
Working Humidity	10%~93%	10%~93%	10%~93%	10%~93%	10%~93%
Installation Method	embedded with 86-style electrical box, the inner depth of 86-style electrical box is required to be ≥ 50MM				wall-mounted
Waterproof	yes	yes	yes	yes	yes
External Interface	Power Supply	12V power interface			
	Wiegand	1 set of Wiegand bus communication interface			
	Wiegand Communication Mode	1 set of WG26/WG34 data format switching interface			
	Status Sync	1 set of controller-synced indicator/buzzer status signal interface			

SMART LOCK

FACIAL RECOGNITION SMART LOCK

NEW

Model	TD-F39ER
Unlock Method	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
Password Length	6 digits
Phantom Password	32 digits
Fingerprint Sensor	Semiconductor
Fingerprint Contrast time	≦1s
Fingerprint Identification Angle	360°
False Rejection Rate	≦1%
False Recognition Rate	≦0.001%
Reaction Time	≦1s
Battery	4200mA lithium battery
Emergency Power	5V
Static Current	≦150uA
Dynamic Current	≦300mA
Working Temperature	-20℃~40℃
Working Relative Humidity	-10%~60%
Voice Assistant	Yes
Keypad	Standard 12-bit touch keypad
Low Voltage Alarm	7.2V
Unlock Time	≦1s
System Restart	USB port
Double-Locking	yes

SLIDING DOOR LOCK

tuya

Model	TD-M1-B
Unlock Method	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	<1.0%
Supported Phone Systems	Android 5.0 or IOS7.0 and above
Tuya APP Connection	Bluetooth
Bluetooth Standard	Bluetooth 4.2 BLE
Connection Mode	Long connection (keep Bluetooth online)
Bluetooth Gateway	Support
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
Voltage Range	4.5V ~ 9V
Standby Current	50μA
Working Current	≦ 200mA
Unlocking Time	≦1.5s
Operating Temperature Range	-20 ~ 60℃
Relative Humidity	40% ~ 90% (no gel cream)
Storage Environment	-40 ~ 85℃
ESD(Contact Discharge)	8KV (with lock case)
ESD(Air Discharge)	15KV (with lock case)
Motor Drive	The output voltage is the supply voltage, and the current is ≤ 0.6A
Keypad Type	Capacitive touch keypad

DOUBLE-SIDED SMART LOCK

NEW

Model	TD-W2-B
Unlock Method	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
Supported IC Card Type	MIFARE M1 card
False Recognition Rate	≤0.001%
False Rejection Rate	≤0.1%
Supported Phone Systems	Android 4.3/IOS7.0 and above
App Integration	TTLock App
Bluetooth Standard	Bluetooth 5.0 BLE
Keypad Type	standard 12-bit capacitive touch keypad
Battery	8pcs AA batteries
Alarm Low Voltage	4.8V
Voltage Range	4.5~9V
Standby Current	85μA
Working Current	≤200mA
Unlocking Time	≤1.5s
Operating Temperature Range	-20℃~70℃
Tested Service Life	100000
Double-Locking	support
IP Rating	IP65

RESIDENTIAL 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
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	≦ 0.1%	≦ 0.1%	≦ 0.1%
False Recognition Rate	≦ 0.0001%	≦ 0.0001%	≦ 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	≦ 50uA	≦ 50uA	≦ 50uA
Dynamic Current	≦ 200mA	≦ 200mA	≦ 200mA
Working Temperature	-20℃~70℃	-20℃~60℃	-25℃~60℃
Working Relative Humidity	20%~90%RH	20%~90%RH	20%~90%RH
Voice Assistant	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

RESIDENTIAL 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
HD Camera	No	No	Yes
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	≦ 0.1%	≦ 0.1%	≦ 0.1%
False Recognition Rate	≦ 0.0001%	≦ 0.0001%	≦ 0.0001%
Reaction Time	≦ 0.1 Second	≦ 0.1 Second	≦ 0.1 Second
Battery	4pcs AAA alkaline batteries	8pcs AAA alkaline batteries	8pcs AAA alkaline batteries
Power	DC 6V	DC 6V	DC 6V
Emergency Power	DC 5V	DC 5V	DC 5V
Static Current	≦ 50uA	≦ 50uA	≦ 50uA
Dynamic Current	≦ 200mA	≦ 200mA	≦ 200mA
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
Voice Assistant	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

HOTEL LOCK
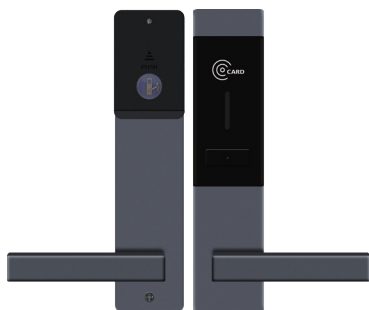
TD-2062E-J TD-2037E TD-2036E-S

Model	TD-2062E-J	TD-2037E	TD-2036E-S
Unlock Method	M1 Card, Key	M1 Card, Key	M1 Card, Key
Lock Dimension	296x71x17mm	290x68x16mm	249x68x16mm
Mortise	97x62mm	97x62mm	97x62mm
Material	Aluminum alloy	Stainless steel	Stainless steel
Card Capacity	1000 cards	1000 cards	1000 cards
Battery	4pcs AA batteries	4pcs AA batteries	4pcs AA batteries
Working Voltage	4.5~9V	4.5~9V	4.5~9V
Static Current	≦84uA	≦84uA	≦84uA
Dynamic Current	≦200mA	≦200mA	≦200mA
Working Temperature	-20℃~70℃	-20℃~70℃	-20℃~70℃
Low Voltage Alarm	4.8V	4.8V	4.8V
Unlock Time	≦1.5 Second	≦1.5 Second	≦1.5 Second
Tested Service Life	300,000 times	300,000 times	300,000 times
Software	TTHotel	TTHotel	TTHotel
APP	TTHotel	TTHotel	TTHotel

POE SWITCH

10/100 Mbps Power Link

Up Link

Smart POE Switch

10/100 Mbps

1 2 3 4 5 6 7 8   9 10

Power
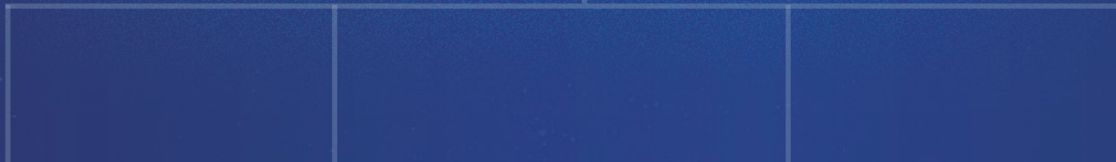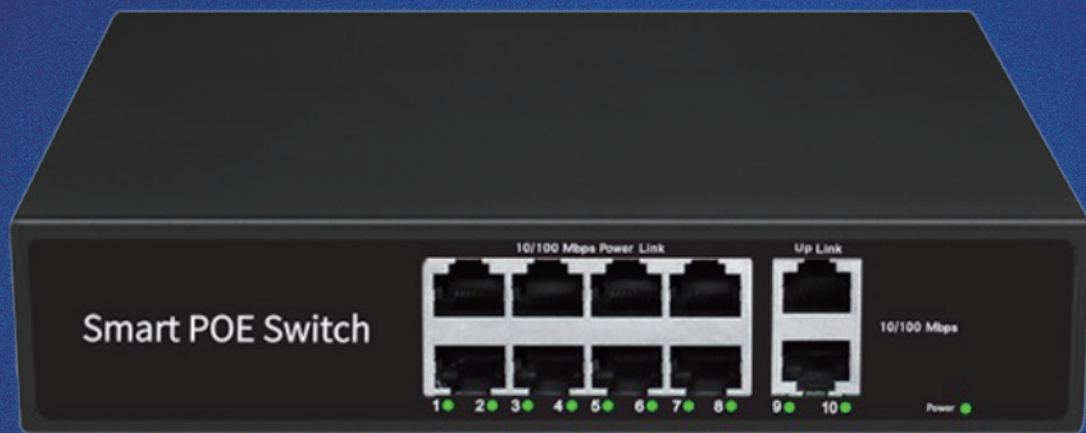
INTERNATIONAL STANDARD POE SWITCH

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/multimode, 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 model: 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/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； IEEE802.3ab 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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