

Smart Security Products And 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 has consistently 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** smart community security brands in China.

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. 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 Cloud App, Trudian Community Management Center Platform**, and **Trudian Security Management Center Platform**. With an annual production capacity exceeding 1.5 million sets of security 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. Trudian - the reliable choice as your partner!





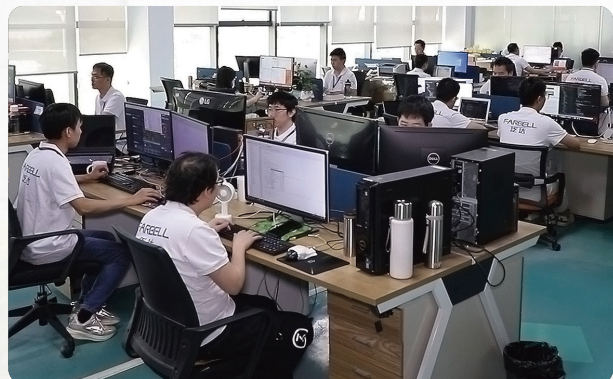
The headquarter of Trudian, Farbell Technology Park, spans a **24,000m²** area, housing facilities for product research and development, software design, assembly production lines, and marketing center.

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**.

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Precise Factory Manufacturing Process

Confirm customer needs



Professional R&D Team



Raw Material Warehouse



SMT Workshop



LCM Workshop



COB Workshop



DIP Workshop



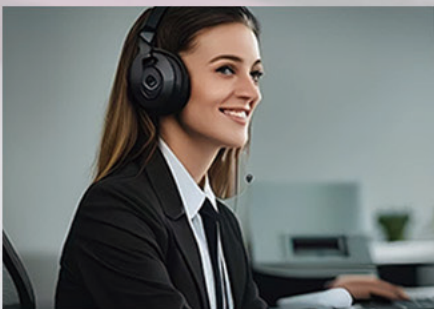
Product Assembly Workshop



Quality Testing Laboratory



24 hours after-sales service



Safe packing and shipping



Product Warehouse



International Certifications ISO / TÜV / CE / FCC / RoHS

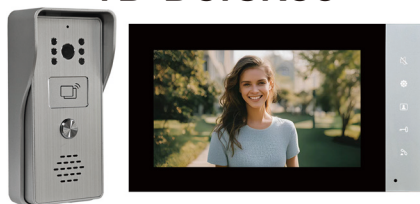


VIDEO INTERCOM



4-WIRE ANALOG VIDEO INTERCOM KIT

TD-D3ICR36



TD-D3R36



Model		TD-D3ICR36	TD-D3R36
Whole Unit	Adapter	input: AC100-240V 50/60Hz, output: DC15V 2A	input: AC100-240V 50/60Hz, output: DC15V 2A
	Distance (Between Indoor Monitor and Outdoor Station)	0~50m (RVV4*0.3mm ² , 15V voltage) 0~70m (RVV4*0.5mm ² , 15V voltage)	0~50m (RVV4*0.3mm ² , 15V voltage) 0~70m (RVV4*0.5mm ² , 15V voltage)
	Distance (Between Outdoor Station and Door Lock)	0~30m (RVV2*0.5mm ²)	0~30m (RVV2*0.5mm ²)
	Wiring	4-wire Cable	4-wire Cable
	Working Temperature	-20°C~70°C	-20°C~70°C
	Working Relative Humidity	10%~70%	10%~70%
	Call Duration	2 minutes	2 minutes
	2-Way Audio	support	support
Indoor Monitor	Dimensions	219x124x20mm	219x124x20mm
	Display	7" LCD screen, touch buttons control	7" LCD screen, touch buttons control
	Screen Resolution	800*480	800*480
	Material	engineering ABS plastic and tempered glass	engineering ABS plastic and tempered glass
	Power Consumption	static state <0.7W, working state <4W	static state <0.7W, working state <4W
	Working Voltage	DC 12~15V	DC 12~15V
	Installation	wall-mounted	wall-mounted
	Functions	video call, monitoring, door unlocking, no disturbance mode, ringtone selection, color & brightness & contrast & volume adjustment	video call, monitoring, door unlocking, no disturbance mode, ringtone selection, color & brightness & contrast & volume adjustment
Outdoor Station	Dimensions	62x132.5x39mm	62x132.5x39mm
	Material	engineering ABS plastic and brushed aluminum sheet	engineering ABS plastic and brushed aluminum sheet
	Camera	700P	700P
	Horizontal View Angle	75°	75°
	Night Vision	high color precision, black and white image	high color precision, black and white image
	Fill Light	940nm (6 Infrared LED)	940nm (6 Infrared LED)
	Door Lock Control	output switch signal	output switch signal
	IC Card Unlock	support	-
	Power Consumption	static state <0.3W, working state <1W	static state <0.3W, working state <1W
	Installation	wall-mounted	wall-mounted
	IP Rating	IP65	IP65

2-WIRE IP VIDEO INTERCOM KIT

TD-D2ICR36W



TD-D2R36W



Model		TD-D2ICR36W	TD-D2R36W
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*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)	0~50m (RVV2*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)
	Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm ²)	0~50m (RVV2*0.5mm ²)
	Wiring	2-wire connection (No polarity)	2-wire connection (No polarity)
	Working Temperature	-20°C~70°C	-20°C~70°C
	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	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
	Random Access Memory	128M	128M
	Flash	16M	16M
	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	2.4G WiFi
	Installation	wall-mounted	wall-mounted
	Functions	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, lock delay adjustment, multi-language OSD menu	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, 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	-
	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-D5ICR36W 



TD-D5R36W 



Model		TD-D5ICR36W	TD-D5R36W
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*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)	0~50m (RVV2*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)
	Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm ²)	0~50m (RVV2*0.5mm ²)
	Wiring	2-wire connection (No polarity)	2-wire connection (No polarity)
	Working Temperature	-20°C~70°C	-20°C~70°C
	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	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
	Random Access Memory	128M	128M
	Flash	16M	16M
	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	2.4G WiFi
	Installation	wall-mounted	wall-mounted
	Functions	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, lock delay adjustment, multi-language OSD menu	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, 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	62.2x148.1x34.5mm	62.2x148.1x34.5mm
	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	-
	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-D6ICR36W



TD-D6R36W



Model		TD-D6ICR36W	TD-D6R36W
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*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)	0~50m (RVV2*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)
	Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm ²)	0~50m (RVV2*0.5mm ²)
	Wiring	2-wire connection (No polarity)	2-wire connection (No polarity)
	Working Temperature	-20°C~70°C	-20°C~70°C
	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	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
	Random Access Memory	128M	128M
	Flash	16M	16M
	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	2.4G WiFi
	Installation	wall-mounted	wall-mounted
	Functions	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, lock delay adjustment, multi-language OSD menu	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, 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	62.5*132.5*38.5mm	62.5*132.5*38.5mm
	Material	aluminum	aluminum
	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	-
	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-D2ICR36M(1V2)



TD-D2ICR36M(2V1)



Whole Unit	Adapter	input: AC100-240V 50/60Hz output: DC12V 2A
	Distance (Between Indoor Monitor and Outdoor Station)	0~50m (RVV2*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)
	Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm ²)
	Wiring	2-wire connection (No polarity)
	Working Temperature	-20°C~70°C
	Working Relative Humidity	10%~70%
	Call Duration	2 minutes
	2-Way Audio	support
	Tuya APP	20 users capacity, supports functions including: call, photo, video, monitor, unlock, cloud storage, alarm message, video playback
Indoor Monitor	Dimensions	219x124x20mm
	Display	7" IPS LCD touch screen
	Screen Resolution	1024*600
	OS	Embedded Linux
	Random Access Memory	128M
	Flash	16M
	Material	engineering ABS plastic and tempered glass
	Power Consumption	static state <3W, working state <4W
	Working Voltage	DC 12~24V
	Network	2.4G WiFi
	Installation	wall-mounted
	Functions	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, lock delay adjustment, multi-language OSD menu
Outdoor Station	External TF Card	max 512GB storage, automatically save photo and video
	Photo Storage Capacity	1000
	Dimensions	66x138x23.5mm
	Material	engineering ABS plastic
	Camera	2 million pixels/1080P
	View Angle	110°
	Night Vision	IR CUT switch, high color precision, black and white image
	Fill Light	940nm (6 Infrared LED)
	Door Lock Control	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting
	Smart Motion Detection	photo and video
	IC Card Unlock	support
	Power Consumption	static state <2W, working state <4W
	Installation	wall-mounted
	IP Rating	IP65

2-WIRE IP VIDEO INTERCOM KIT

TD-D6ICR36M(1V2)



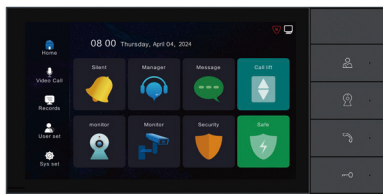
TD-D6ICR36M(2V1)



Whole Unit	Adapter	input: AC100-240V 50/60Hz output: DC12V 2A
	Distance (Between Indoor Monitor and Outdoor Station)	0~50m (RVV2*0.5mm ² , 12V voltage) 0~200m (RVV2*0.5mm ² , 24V voltage)
	Distance (Between Outdoor Station and Door Lock)	0~50m (RVV2*0.5mm ²)
	Wiring	2-wire connection (No polarity)
	Working Temperature	-20°C~70°C
	Working Relative Humidity	10%~70%
	Call Duration	2 minutes
	2-Way Audio	support
	Tuya APP	20 users capacity, supports functions including: call, photo, video, monitor, unlock, cloud storage, alarm message, video playback
Indoor Monitor	Dimensions	219x124x20mm
	Display	7" IPS LCD touch screen
	Screen Resolution	1024*600
	OS	Embedded Linux
	Random Access Memory	128M
	Flash	16M
	Material	engineering ABS plastic and tempered glass
	Power Consumption	static state <3W, working state <4W
	Working Voltage	DC 12~24V
	Network	2.4G WiFi
	Installation	wall-mounted
	Functions	call, photo, video, monitor, unlock, visitor record, pedestrian detection, calendar display, adjust brightness & contrast & color & volume, lock delay adjustment, multi-language OSD menu
Outdoor Station	External TF Card	max 512GB storage, automatically save photo and video
	Photo Storage Capacity	1000
	Dimensions	62.5*132.5*38.5mm
	Material	aluminum
	Camera	2 million pixels/1080P
	View Angle	110°
	Night Vision	IR CUT switch, high color precision, black and white image
	Fill Light	940nm (6 Infrared LED)
	Door Lock Control	connectable to magnetic lock and electronic lock, indoor monitor features lock delay time setting
	Smart Motion Detection	photo and video
	IC Card Unlock	support
	Power Consumption	static state <2W, working state <4W
	Installation	wall-mounted
	IP Rating	IP65

IP VIDEO INTERCOM - INDOOR MONITOR

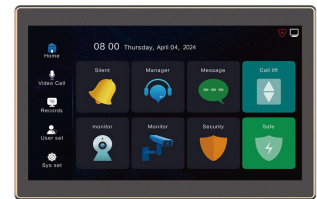
TD-R39



TD-R88H



TD-R50



Model	TD-R39	TD-R88H	TD-R50
Button	touch button	-	-
Appearance Size	226x110x12.4mm	200x132x17.8mm	245x158x19mm
Screen	7" capacitive touch screen		10.1" capacitive HD touch screen
Resolution	800*480		1024*600
Connectable Sensors	8		
Material	engineering ABS plastic + tempered glass		
Power Supply	DC 12V		
Networking Method	TCP/IP		
Standby Current	150mA		170mA
Working Current	450mA		
Working Temperature	-10°C~+55°C		
Working Humidity	10%~90%		
OS	Embedded System		
CPU	ARM Cortex A8 600MHz		
Memory	128MB		64MB
Flash	16MB		8MB
Codec	H264, 720P 30fps		
Installation Method	wall-mounted		
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 - INDOOR MONITOR



Model	TD-R59
Size	238X170X9.8mm
Screen	10" IPS full-viewing touch screen + 1.3" auxiliary touch screen
Resolution	1280*800
Material	ABS
Power Supply	12~30V
Working Power	6W (12V)
Standby Power	3.5W
Networking Method	WiFi + Ethernet wired
Bluetooth	Bluetooth 5.0 Mesh
Near Proximity Human Detection	support
OS	Android 10.0
CPU	4-core chip
Random Access Memory	2G
Flash	8G
Working Temperature	-10°C~+55°C
Working Humidity	10%~90%
Installation Method	embedded with 86-style electrical box
Voice	dual MIC, supports high-fidelity voice capture
Speaker	2W/D amplifier speaker
Basic Functions	video call, wired security, property management notification, calling management center, door-to-door intercom, remote unlocking, camera surveillance, security alarm, visitor message
Extensible Functions	smart home device access, supports scene switching
Trudian Community Management Center Platform	support

IP VIDEO INTERCOM - OUTDOOR STATION

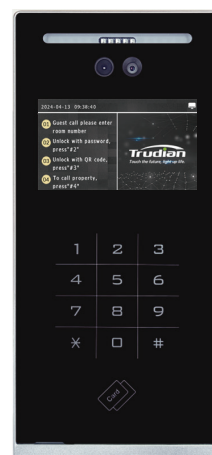
TD-D32A



TD-D32B

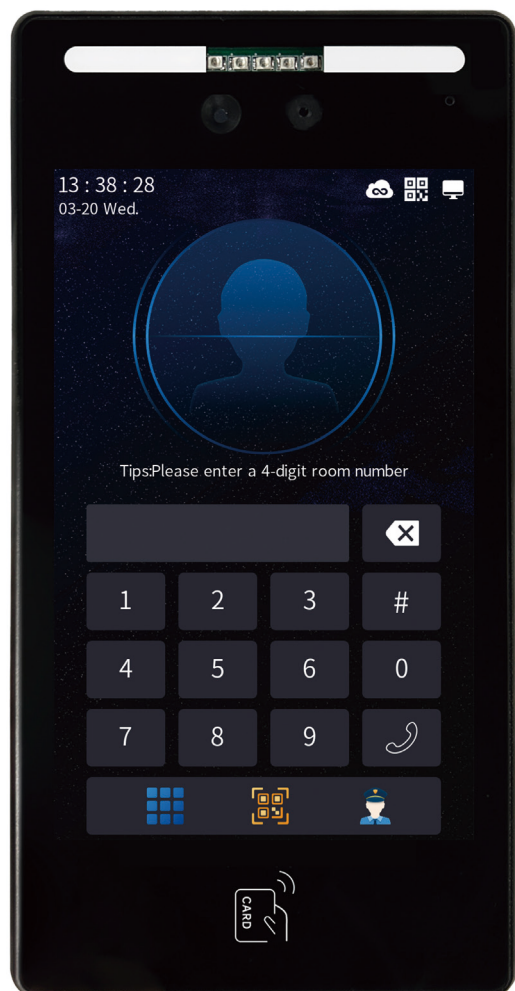


TD-D232



Model	TD-D32A	TD-D32B	TD-D232
Button	mechanical button	touch button	touch button
Screen	4.3" LCD		4.3" LCD
Resolution	480*272		600*1024
Material	pure aluminum and acrylic		pure aluminum and acrylic
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°C~70°C		-40°C~70°C
Working Humidity	10%~90%		10%~90%
OS	Linux		Linux
Random Access Memory	128MB		1G
Flash	16MB		8G
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
IP Rating	IP65		IP65

IP VIDEO INTERCOM - OUTDOOR STATION



Model	TD-D801
Unlocking	facial recognition, password, card, QR code, indoor monitor, cloud platform remote control
Appearance Size	258x135x22.5mm
Material	luxurious pure aluminum and tempered glass
Screen Display	8" LCD capacitive touch screen
Screen Resolution	800*1280
Camera	2 million pixels
Operating System	Linux
CPU	ARM Cortex A7, 4 Cores
Memory	1G
Flash	8G
Facial Recognition	10,000 face capacity, liveness detection
Network Mode	TCP/IP
Reading Distance	0-6cm
Card Capacity	unlimited (read and write sectors)
Power Supply	DC 12V
Operating Current	290mA
Standby Current	700mA
Working Temperature	-40°C~70°C
Working Humidity	10%~90%
Installation Method	wall-mounted or embedded
Wall Buried Size	elevator control, smart advertising playback
Functions	automatic detection video call, camera surveillance, elevator control, smart advertising playback of door opening and closing status
Visitor Message	photo and video
Alarm	automatic detection of door opening and closing status
Remote Online Upgrade	support
Trudian Community Management Center Platform	support

SMART LOCK



PALM VEIN SMART LOCK

NEW

Model	TD-Q5-B
Unlock Method	Palm vein, face recognition, fingerprint, password, IC card, key, Tuya Smart App
Lock Dimension	410x70x65mm
Weight	3.4kg
Color	Black
Material	Aluminum alloy and tempered glass panel
Appearance	CNC engraving, anodic oxidation surface treatment
HD Camera	2 million pixels
Screen Display	Front: 0.96" OLED screen, Back: 4.5" IPS screen
Lock Mortise Size	6068/6072/6085
Palm Vein & Face & Fingerprint & PIN & Card Capacity	Total 300 sets
Password Length	4~10 digits
Anti-Peeping Password Length	20 digits
Fingerprint Sensor	Semiconductor
Fingerprint Contrast time	$\leq 1s$
Fingerprint Identification Angle	360°
False Rejection Rate	$\leq 1\%$
False Acceptance Rate	$\leq 0.001\%$
Battery	5000mAh lithium battery
Operating Voltage	7.0V~8.4V
Emergency Power	USB port, 5V
Static Current	$\leq 80\mu A$
Dynamic Current	$\leq 300mA$
Working Temperature	-20°C~55°C
Working Relative Humidity	10%~95%
Voice Assistant	Support
Keypad	Standard 12-bit touch keypad
Low Voltage Alarm	7.2V
Unlock Time	$\leq 1s$
System Restart	USB port
Double-Locking	Support
Tuya Smart App	2.4G WiFi connection
Advanced Functions	Snapshot, intercom, trial-and-error alarm, anti-tamper alarm, one-key on/off



FACIAL RECOGNITION SMART LOCK

● NEW

TD-H1-B



TD-H1-BR



Model	TD-H1-B	TD-H1-BR
Unlock Method	Face recognition, fingerprint, password, IC card, key, Tuya Smart App	
Lock Dimension	421×82×68mm	403×81×55mm
Weight	4.2kg	4.12kg
Color	Gold	
Material	Aluminum alloy and tempered glass	
Appearance	Baking paint surface, IMD coating	
HD Camera	2 million pixels	
Screen Display	Front: 0.96" OLED screen, Back: 4.0" IPS screen	
Lock Mortise Size	6068	
Face & Fingerprint & PIN & Card Capacity	Total 300 sets	
Password Length	4~10 digits	
Anti-Peeping Password Length	20 digits	
Fingerprint Sensor	Semiconductor	
Fingerprint Contrast time	≤1s	
Fingerprint Identification Angle	360°	
False Rejection Rate	≤1%	
False Acceptance Rate	≤0.001%	
Battery	4200mAh lithium battery	
Operating Voltage	7.0V~8.4V	
Emergency Power	USB port, 5V	
Static Current	≤80uA	
Dynamic Current	≤300mA	
Working Temperature	-20℃~40℃	
Working Relative Humidity	10%~60%	
Voice Assistant	Support	
Keypad	Standard 12-bit touch keypad	
Low Voltage Alarm	7.2V	
Unlock Time	≤1s	
System Restart	USB port	
Double-Locking	Support	
Tuya Smart App	2.4G WiFi connection	
Advanced Functions	Snapshot, intercom, trial-and-error alarm, anti-tamper alarm, one-key on/off	

FACIAL RECOGNITION SMART LOCK

● NEW

TD-W2-B



TD-F39HR



Model	TD-W2-B	TD-F39HR
Unlock Method	Face recognition, fingerprint, password, IC card, key, Tuya Smart App	
Lock Dimension	405x79x76mm	433x77x62.5mm
Weight	4.1kg	2.8kg
Color	Aluminum alloy	
Material	Aluminum alloy and tempered glass	
Appearance	Baking paint surface, IMD coating	
HD Camera	2 million pixels	
Screen Display	Front: 0.96" OLED screen, Back: 3.5" IPS screen	
Lock Mortise Size	6068	
Face & Fingerprint & PIN & Card Capacity	Total 300 sets	
Password Length	4~10 digits	
Anti-Peeping Password Length	20 digits	
Fingerprint Sensor	Semiconductor	
Fingerprint Contrast time	≤1s	
Fingerprint Identification Angle	360°	
False Rejection Rate	≤1%	
False Acceptance Rate	≤0.001%	
Battery	4200mAh lithium battery	
Operating Voltage	7.0V~8.4V	
Emergency Power	USB port, 5V	
Static Current	≤80uA	
Dynamic Current	≤300mA	
Working Temperature	-20°C~55°C	
Working Relative Humidity	10%~60%	
Voice Assistant	Support	
Keypad	Standard 12-bit touch keypad	
Low Voltage Alarm	7.2V	
Unlock Time	≤1s	
System Restart	USB port	
Double-Locking	Support	
Tuya Smart App	2.4G WiFi connection	
Advanced Functions	Snapshot, intercom, trial-and-error alarm, anti-tamper alarm, one-key on/off	
Pinch Prevention Design	-	Support

FACIAL RECOGNITION SMART LOCK

TD-F39ER



TD-F39FR



Model	TD-F39ER	TD-F39FR
Unlock Method	Facial recognition, fingerprint, password, IC card, key, Tuya App	
Lock Dimension	425x69x65mm	429x72x54mm
Color	Grey	
Material	Aluminum alloy, baking paint surface, IMD coating	
HD Camera	2 million pixels	
Screen Display	Front: 0.96 " OLED screen ; Back: 4.0 " IPS screen	Front: 0.96 " OLED screen ; Back: 3.5 " IPS screen
Lock Mortise Size	6068	
Face & Card & Fingerprint & PIN Capacity	Total 300 sets	
Password Length	4~10 digits	
Phantom Password	20 digits	
Fingerprint Sensor	Semiconductor	
Fingerprint Contrast time	$\leq 1s$	
Fingerprint Identification Angle	360°	
False Rejection Rate	$\leq 1\%$	
False Recognition Rate	$\leq 0.001\%$	
Reaction Time	$\leq 1s$	
Battery	4200mAh lithium battery	
Operating Voltage	7.0V~8.4V	
Emergency Power	USB port, 5V	
Static Current	$\leq 80uA$	
Dynamic Current	$\leq 300mA$	
Working Temperature	-20°C~40°C	
Working Relative Humidity	10%~60%	
Voice Assistant	Support	
Keypad	Standard 12-bit touch keypad	
Low Voltage Alarm	7.2V	
Unlock Time	$\leq 1s$	
System Restart	USB port	
Double-Locking	Support	
Connect to Tuya App	2.4G WiFi	
Advanced Functions	Snapshot, intercom, alarm, one-key on/off	

SLIDING DOOR LOCK



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

FINGERPRINT LOCK

TD-S1-B



TD-F2-B



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

FINGERPRINT LOCK

TD-W1-B



TD-H6-B



TD-W6-B



Model	TD-W1-B		TD-H6-B	TD-W6-B
Unlocking Options	Fingerprint, PIN code, dynamic password, IC card, key, Tuya App			
Fingerprint Sensor	Semiconductor fingerprint sensor			
Number of Administrators	10 groups			
Number of Fingerprints	50 groups			
Fingerprint + Password + Card Capacity	250 groups			
False Rejection Rate	≦0.1%			
False Recognition Rate	≦0.0001%			
Contrast Time	≦0.5 seconds			
Power Supply	6V			
Standby Current	≦50uA			
Dynamic Current	≦180mA			
Low Voltage Alarm	4.8±0.2V			
Emergency Power Supply	Type-C 5V 2A			
Working Temperature	-25℃~60℃			
Working Relative Humidity	20%~90%RH			
Keyboard	Standard 12 bit touch keyboard			
Password Length	8 bits			
Anti-Peeping Password Length	16 bits			
Double-Locking	Support			
Lock Mortise Size	6068	6068	5050 / 6068 / 6072 / 6085	
Lock Cylinder Standard	Class C / Class B+ lock cylinder			
Weight	2.64 kg			
Color	Grey	Black	Grey	
Material	Aluminum alloy			
Battery	4pcs AA batteries	8pcs AA batteries	8pcs AA batteries	
Size	365*76*68mm	381*77*70mm	280*63*65mm	
Connect to Tuya App	WiFi			

FINGERPRINT LOCK

● NEW

TD-X2-B



TD-K1-B



Model	TD-X2-B	TD-K1-B
Unlock Method	Fingerprint, key, Tuya Smart App	Fingerprint, password, key
Lock Dimension	Front: L75×Ø76mm, Back: L73×Ø76mm	Front: 137×73×91mm, Back: 149×73×49mm
Weight	0.4kg	0.7kg
Color	Black	
Material	Aluminum alloy	
Lock Mortise Size	97×57×25mm	111×53×25mm
Fingerprint & Password Capacity	Total 50 sets	Fingerprint: 50 sets Common password: 100 sets One-time password: 100 sets
Fingerprint Sensor	Semiconductor	
Fingerprint Contrast time	≤1s	
Fingerprint Identification Angle	360°	
False Rejection Rate	≤1%	
False Acceptance Rate	≤0.001%	
Battery	4pcs AAA batteries	
Operating Voltage	DC6V	
Emergency Power	USB port, DC5V	
Static Current	≤50uA	
Dynamic Current	≤200mA	
Working Temperature	-25℃~85℃	
Working Relative Humidity	20%~90%	
Unlock Time	≤1s	
Double-Locking	Support	
Anti-Static	Support	
Tuya Smart App	Bluetooth connection	-

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	$\leq 84\mu A$	$\leq 84\mu A$	$\leq 84\mu A$
Dynamic Current	$\leq 200mA$	$\leq 200mA$	$\leq 200mA$
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

ACCESS CONTROL

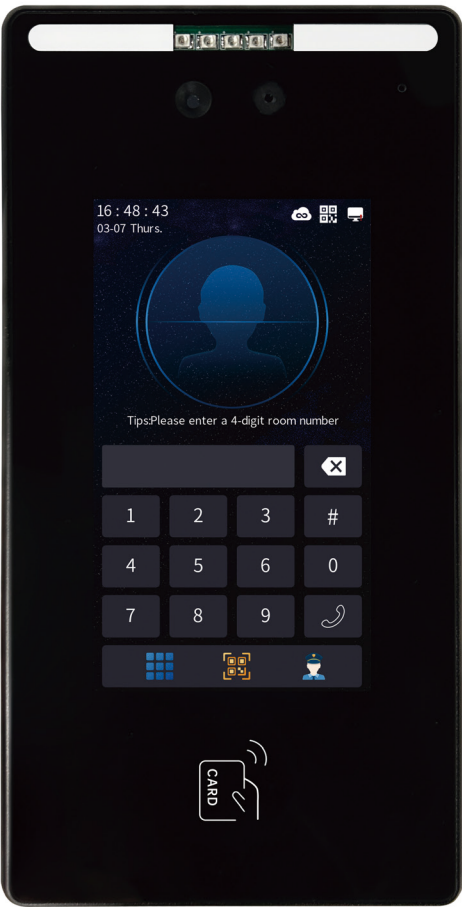


FINGERPRINT TIME ATTENDANCE & ACCESS CONTROL



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°C~45°C
Storage Temperature	0°C~50°C
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



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°C~70°C
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℃~70℃	-40℃~70℃	-40℃~70℃	-40℃~70℃
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°C~70°C	-40°C~70°C	-10°C~50°C	-20°C~70°C
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
	Network	-	-	1 set of RJ45 10M/100M adaptive Ethernet port
	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	-
	Unlock	-	-	1 set of relay common port, NO port and NC port
	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 controller-synched indicator/buzzer status signal interface	1 set of controller-synched 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)



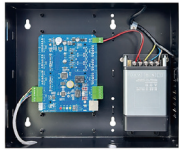
TD-8704 (Four doors)



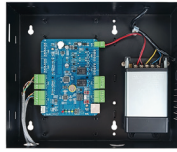
Model		TD-8701 (One door)	TD-8702 (Two doors)	TD-8704 (Four doors)
Multiple Working Modes		TCP/IP networking, standalone	TCP/IP networking, standalone	TCP/IP networking, standalone
Unlocking Methods		card, management center, exit button (Wiegand reader required)	card, management center, exit button (Wiegand 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°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

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				

SECURITY CAMERA



INDOOR SECURITY CAMERA

NEW



Model		TD-CXFK
Appearance Design	Size	75X53X43mm
	Weight	0.28kg
	Color	White
	Material	ABS plastic
	IP Rating	IP66
	Certification	CE, FCC
System Solutions	Chipset	8632
	Sensor	SCF2009, 1/3 inches CMOS
Video	Video Encoding	H.265
	Frame Rate	15 fps
	Resolution	2MP, 3MP, 5MP (Optional)
	Illumination	0.02Lux@(2.0, AGC ON), 0Lux with IR
	Video Bit Rate	HD: 1Mbps, SD: 384Kbps
	Lens	6mm
	View Angle	120°
	Digital Zoom	4x
Basic Functions	Mirror / Rotation	Support
	Noise Reduction / Dynamic Range	3D Noise reduction / 72DB
	Movement Tracking	Support
	Voice Intercom	Support two-way voice intercom
	Audio Input	1pc MIC
	Audio Output	1pc Speaker
	Anti-Flicker	Support outdoor / 50Hz / 60Hz
	Floodlight	6pcs floodlight
	Infrared Light	6pcs IR LED
	Night Vision Mode	IR-CUT Auto Switch
	Movement Detection	Support
	Humanoid Trigger Alarm	Support
	Reset	One-key reset
	Local Storage	1pc TF (Micro SD) storage interface, connect video/event recording, maximum support 128G TF card
Network	WIFI	2.4G
	Wired Connection	Standard
	Add Method	Support QR code scanning, fast matching, AP
	Network Protocol	HTTP, HTTPS, TCP, IPV4, IPV6, UDP, RTSP, ICMP, RTP, DHCP, ARP, DNS, QOS
	ONVIF Protocol	Support
Advanced Services	Smart Home Integration	Support
	Phone App	Tuya Smart App
	Tuya Cloud Storage	Support continuous recording / event recording
	Remote Online Upgrade	Support
	Amazon Alexa	Support (Optional)
	Google Assistant	Support (Optional)
Power Supply	Voltage	5V
	Power Consumption	<0.8W
Environment	Working Temperature	-20°C ~ 80°C
	Working Relative Humidity	10% ~ 95%

INDOOR SECURITY CAMERA

NEW



Model	TD-PZ30WP
Size	91*120*74mm
Weight	0.4kg
Color	Black and white
Material	ABS
IP Rating	IP65
Aperture	F2.0
Video Resolution	3MP, 4MP, 5MP, 8MP (optional)
Backlight Compensation	Support
Warm Light LED	4pcs
Infrared LED	4pcs
Night Vision	Support
Timed Recording	Support
Snapshot	Support
Horizontal Rotation	355° horizontal rotation
Horizontal Rotation Speed	30° /sec
Vertical Rotation	90° vertical rotation (manual)
Audio Input / Output	Built-in Mic and Speaker, supports two-way audio
Local TF Card Storage	Support
Connection	Wireless connection via WiFi
ONVIF Protocol	Support
Multiple Users View	Support
Video Playback	Support
Motion Detection	Support
Alarms Push	Support
Smart Home Integration	Support
Phone App	Tuya Smart App
Cloud Storage	Optional
Working Voltage	DC12V
Operating Temperature	-20°C ~ 55°C
Operating Relative Humidity	10% ~ 95%RH

OUTDOOR SECURITY CAMERA

NEW



Model		TD-K13WP
Appearance Design	Size	62*60*107mm
	Weight	0.35kg
	Color	White
	Material	Aluminum
	IP Rating	IP66
	Certification	CE, FCC, RoHS
	Rotation	Support
Image	Chipset	GK7205+3335E
	Sensor	1/2.8" 3.0M Pixel Progressive Scan CMOS
	Focal length	3.6mm
	Aperture	F1.6
	Snapshot	Support
Video	Image Compression	H.265
	Image Frame Rate	15fps
	Resolution	2MP, 4MP (optional)
	Stream	Dual streams
	Infrared LED	18pcs
	Night Vision	Support
	Timed Recording	Support
Audio	Input / Output	Built-in Mic and Speaker, two-way audio
	Audio Compression	G.711A
	Echo Cancellation	Support
Network	SD Card Type	Micro SD card
	SD Card Capacity	Maximum 128 GB
Network	Ethernet Interface	One 10/100Mbps, RJ45 LAN port
	WiFi	Wireless Transmission
	Wireless Standard	2.4G, IEEE802.11 b/g/n
	Operation Modes	WiFi access, Ethernet cable
	Protocols	TCP/IP, UDP/IP, HTTP, SMTP, FTP, DHCP, DNS, UPNP, NTP
	Wireless Connection	WiFi Smart Link
	ONVIF Protocol	Support
	PoE Protocol	Optional
Advanced Services	Max Users	Support 4 people view at same time
	Updating	Remote network updating
	Motion Detection	Support
	Alarms Push	Support
	Privacy Area	Support
	Smart Home Integration	Support
	Phone App	Tuya Smart App
	Reset	Reset button is available
	Cloud Storage	Optional
	Amazon Alexa and Google Home Service	Optional
Power Supply	Power Supply	DC12V / 1A
	Power Consumption	6W (Max.)
Environment	Operating Temperature	-10°C ~ 50°C
	Operating Relative Humidity	10% ~ 95%RH

POE 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/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 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/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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