

# 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 **24,000m<sup>2</sup>** 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 **14,000m<sup>2</sup>**.



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**



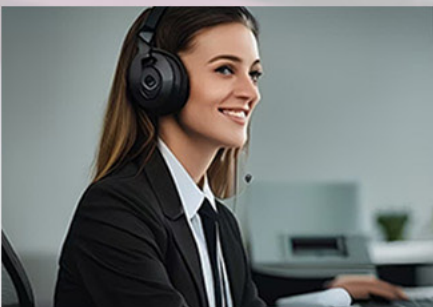
**Product Assembly Workshop**



**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-D3R36



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



# 2-WIRE IP VIDEO INTERCOM KIT

TD-D2ICR36W



TD-D2R36W



| Model           |   | TD-D2ICR36W  | TD-D2R36W  |
|-----------------|---|--|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz<br>output: DC12V 2A  | input: AC100-240V 50/60Hz<br>output: DC12V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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-D6ICR36W



TD-D6R36W



| Model           |   | TD-D6ICR36W  | TD-D6R36W  |
|-----------------|---|--|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz<br>output: DC12V 2A  | input: AC100-240V 50/60Hz<br>output: DC12V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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-D4R36W



TD-D4AR36W



| Model           |   | TD-D4R36W  | TD-D4AR36W   |
|-----------------|---|--|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz, output: DC18V 2A  | input: AC100-240V 50/60Hz, output: DC18V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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" LCD touch screen  | 7" 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  | 146x75x37mm  | 146x75x37mm  |
|                 | Material  | luxurious pure aluminum and tempered glass + engineering ABS plastic   | luxurious pure aluminum and tempered glass + engineering ABS plastic   |
|                 | Password Keypad                                       | -  | touch keypad   |
|                 | Camera  | 2 million pixels/1080P   | 2 million pixels/1080P   |
|                 | Horizontal 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 <3W  | static state <2W, working state <3W  |
|                 | Installation  | wall-mounted   | wall-mounted   |
|                 | IP Rating   | IP65   | IP65   |



# 2-WIRE IP VIDEO INTERCOM KIT

TD-D31R36W



TD-D31AR36W



| Model           |   | TD-D31R36W   | TD-D31AR36W  |
|-----------------|---|--|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz, output: DC18V 2A  | input: AC100-240V 50/60Hz, output: DC18V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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" LCD touch screen  | 7" 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  | 146x75x37mm  | 146x75x37mm  |
|                 | Material  | luxurious pure aluminum and tempered glass + engineering ABS plastic   | luxurious pure aluminum and tempered glass + engineering ABS plastic   |
|                 | Password Keypad                                       | -  | touch keypad   |
|                 | Camera  | 2 million pixels/1080P   | 2 million pixels/1080P   |
|                 | Horizontal 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 <3W  | static state <2W, working state <3W  |
|                 | Installation  | wall-mounted   | wall-mounted   |
|                 | IP Rating   | IP65   | IP65   |



# 2-WIRE IP VIDEO INTERCOM KIT

TD-D40R36W



TD-D40AR36W



| Model           |   | TD-D40R36W   | TD-D40AR36W  |
|-----------------|---|--|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz, output: DC18V 2A  | input: AC100-240V 50/60Hz, output: DC18V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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" LCD touch screen  | 7" 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  | 146x75x37mm  | 146x75x37mm  |
|                 | Material  | luxurious pure aluminum and tempered glass + engineering ABS plastic   | luxurious pure aluminum and tempered glass + engineering ABS plastic   |
|                 | Password Keypad                                       | -  | touch keypad   |
|                 | Camera  | 2 million pixels/1080P   | 2 million pixels/1080P   |
|                 | Horizontal 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 <3W  | static state <2W, working state <3W  |
|                 | Installation  | wall-mounted   | wall-mounted   |
|                 | IP Rating   | IP65   | IP65   |



# 2-WIRE IP VIDEO INTERCOM KIT

TD-D41R36W



TD-D80AR36W



| Model           |   | TD-D41R36W   | TD-D80AR36W  |
|-----------------|---|--|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz, output: DC18V 2A  | input: AC100-240V 50/60Hz, output: DC18V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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" LCD touch screen  | 7" 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  | 146x75x37mm  | 146x75x37mm  |
|                 | Material  | luxurious pure aluminum and tempered glass + engineering ABS plastic   | luxurious pure aluminum and tempered glass + engineering ABS plastic   |
|                 | Password Keypad                                       | -  | touch keypad   |
|                 | Camera  | 2 million pixels/1080P   | 2 million pixels/1080P   |
|                 | Horizontal 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 <3W  | static state <2W, working state <3W  |
|                 | 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<br>output: DC12V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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<br>output: DC12V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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   |

# 2-WIRE IP VIDEO INTERCOM KIT

## TD-D80AR36M(1V2)



## TD-D80AR36M(2V1)

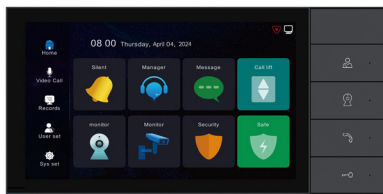


|                 |   |  |
|-----------------|---|--|
| Whole Unit      | Adapter   | input: AC100-240V 50/60Hz, output: DC18V 2A  |
|                 | Distance (Between Indoor Monitor and Outdoor Station) | 0~50m (RVV2*0.5mm <sup>2</sup> , 12V voltage)<br>0~200m (RVV2*0.5mm <sup>2</sup> , 24V voltage)  |
|                 | Distance (Between Outdoor Station and Door Lock)      | 0~50m (RVV2*0.5mm <sup>2</sup> )   |
|                 | 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" 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  | 146x75x37mm  |
|                 | Material  | luxurious pure aluminum and tempered glass + engineering ABS plastic   |
|                 | Password Keypad                                       | touch keypad   |
|                 | Camera  | 2 million pixels/1080P   |
|                 | Horizontal 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  |
| Outdoor Station | Power Consumption                                     | static state <2W, working state <3W  |
|                 | Installation  | wall-mounted   |
|                 | IP Rating   | IP65   |



# IP VIDEO INTERCOM - INDOOR MONITOR

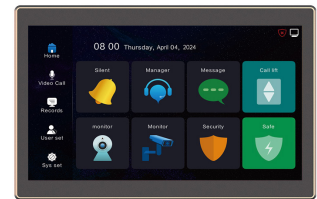
TD-R39



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

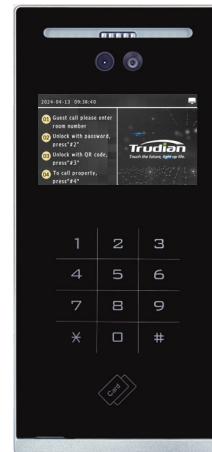
TD-D32A



TD-D32B

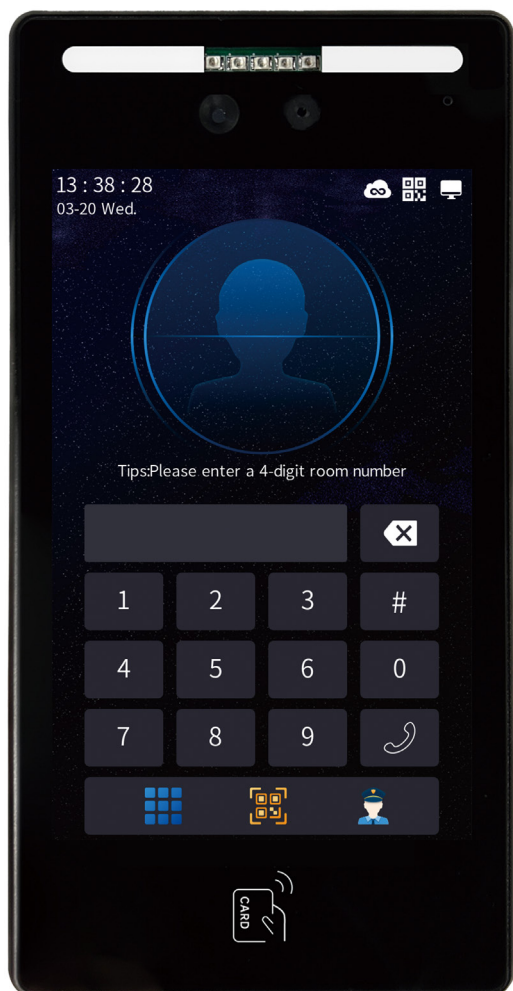


TD-D232



| 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         | $\leq 0.6$ Second                                       | $\leq 0.6$ 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                     | $\leq 0.1$ Second                                       | $\leq 0.1$ 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                       | $\leq 1$ Second   | $\leq 1$ 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                   | $\leq 0.1\%$  |  |                   |         |                           |
| False Recognition Rate                 | $\leq 0.0001\%$   |  |                   |         |                           |
| Contrast Time                          | $\leq 0.5$ seconds  |  |                   |         |                           |
| Power Supply                           | 6V  |  |                   |         |                           |
| Standby Current                        | $\leq 50\mu\text{A}$  |  |                   |         |                           |
| Dynamic Current                        | $\leq 180\text{mA}$   |  |                   |         |                           |
| Low Voltage Alarm                      | $4.8 \pm 0.2\text{V}$   |  |                   |         |                           |
| Emergency Power Supply                 | Type-C 5V 2A  |  |                   |         |                           |
| Working Temperature                    | $-25^{\circ}\text{C} \sim 60^{\circ}\text{C}$                   |  |                   |         |                           |
| 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



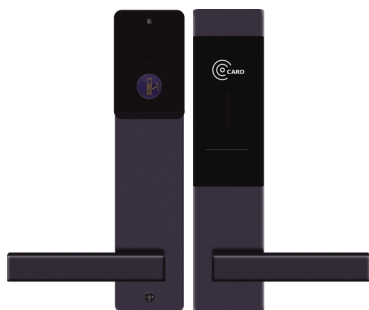
TD-K1-B



| 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<br>Common password: 100 sets<br>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         | $\leq 1.5$ Second | $\leq 1.5$ Second | $\leq 1.5$ 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



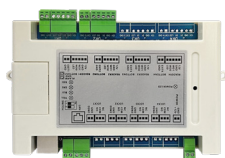
TD-09MR



| 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-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)

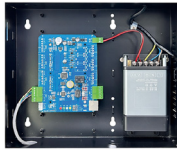


| Model                       |                          | TD-8701 (One door)   | TD-8702 (Two doors)   | TD-8704 (Four doors)  |
|-----------------------------|--------------------------|--|---|---|
| Multiple Working Modes      |                          | TCP/IP networking, standalone                                  | 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°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);<br>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                      |

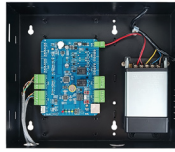


# ACCESS CONTROLLER

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);<br>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



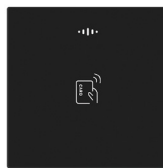
TD-RM02



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)<br>2 * 10/100Base-TX uplink RJ45 ports (Data)  | 8 * 10/100Base-TX PoE ports (Data/Power)<br>2 * 10/100Base-TX uplink RJ45 ports (Data) | 4 * 10/100/1000Base-T PoE ports (Data/Power)<br>1 * 10/100/1000Base-T RJ45 network port<br>1 * 1000Base-X uplink SFP optical port slot (Data)  | 8 * 10/100/1000Base-T PoE ports (Data/Power)<br>2 * 10/100/1000Base-T RJ45 network port<br>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)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-T: Cat5e or later UTP(≤100 meter) |  | 10BASE-TX: Cat3,4,5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>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,<br>Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.   |   |
| Chip Parameters               | Network Protocol                        | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3x  |  | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3ab 1000Base-T;<br>IEEE802.3z 1000Base-X;<br>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);<br>Long-distance function indicator: EXTEND (green)                   |  | Power indicator: PWR (green); Network indicator: Link (green);<br>POE work indicator: PoE (green)  |   |
| PoE and Power Characteristics | PoE Power Supply Standard               | 1-4 ports support<br>IEEE802.3af/at standard POE power supply   | 1-8 ports support<br>IEEE802.3af/at standard POE power supply                          | 1-4 ports support<br>IEEE802.3af/at standard POE power supply  | 1-8 ports support<br>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;<br>full load power consumption: <60W  | Standby power consumption: <5W;<br>full load power consumption: <120W                  | Standby power consumption: <4W;<br>full load power consumption: <65W   | Standby power consumption: <6W;<br>full load power consumption: <120W   |
|                               | Power Supply                            | Built-in switching power supply<br>AC: 100 ~ 240V 50-60Hz 1A  | Built-in switching power supply<br>AC: 100 ~ 240V 50-60Hz 2.2A                         | Built-in switching power supply<br>AC: 100 ~ 240V 50-60Hz 1A   | Built-in switching power supply<br>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;<br>Protection class: IP30  |  | Port lightning protection: 4KV 8/20us;<br>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)<br>2 * 10/100/1000Base-T uplink RJ45 ports (Data)<br>1 * 1000Base-X SFP optical port slot (Data)   | 24 * 10/100Base-TX POE ports (Data/Power)<br>2 * 10/100/1000Base-T uplink RJ45 ports (Data)<br>1 * 1000Base-X SFP optical port slot (Data) | Downlink Port: 8 * 10/100/1000Base-T RJ45 network ports;<br>Uplink Port: 2 * 10/100/1000Base-T RJ45 network ports +<br>4 100/1000M SFP optical port slots;<br>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)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-T: Cat5e or later UTP(≤100 meter)   |  | 10BASE-T: Cat3,4,5 UTP(≤250 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>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;<br>Single mode - working wavelength: 1310nm, transmission distance: 0-40KM;<br>working wavelength: 1550nm, transmission distance: 0-120KM. |  | Multi-mode: 850nm 0 ~ 550M, 50μm/125μm & 62.5μm/125μm<br>Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM, 9.5μm/125μm  |
| Chip Parameters               | Network Protocol                        | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3x   |  | IEEE802.3 10BASE-T;IEEE802.3i 10Base-T<br>IEEE802.3u 100Base-TX;IEEE802.3x Flow Control<br>IEEE802.3ab 1000Base-T;IEEE802.3z 1000Base-X<br>IEEE 802.3ad port trunk with LACP;<br>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);<br>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;<br>full load power consumption: <240W   | Standby power consumption: <20W;<br>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;<br>Protection class: IP30   |  | Port lightning protection: 6KV 8/20us;<br>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)<br>2 * 1000Base-X SFP uplink optical port slots (Data)  | 24 * 10/100/1000Base-TX RJ45 ports (Data)<br>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)<br>100BASE-TX : Cat5 or later UTP(≤100 meter)   |   | 10BASE-TX: Cat3,4,5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>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<br>Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm   |   | Multi-mode : 850nm 0 ~ 550M , 50μm/125μm&62.5μm/125μm<br>Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm   |  |
| Chip Parameters               | Network Protocol                        | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3x  |   | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3ab 1000Base-T;<br>IEEE802.3z 1000Base-X;<br>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;<br>full load power consumption: <2W   | Standby power consumption: <1W;<br>full load power consumption: <3W | Standby power consumption: <6W;<br>full load power consumption: <12W  | Standby power consumption: <8W;<br>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;<br>Protection class: IP30  |   | Port lightning protection: 4KV 8/20us;<br>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<br>uplink port: 2 * 1000M SFP optical port slots  | downlink port: 8 * 10/100/1000Base-T RJ45 network ports<br>uplink port: 2 * 1000M SFP optical port slots | downlink port: 16 * 10/100/1000Base-T RJ45 network ports<br>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)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-T: Cat5e or later UTP(≤100 meter)   |  | 10BASE-T: Cat3,4,5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>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<br>Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm   |  | Multi-mode : 850nm 0 ~ 550M , 50μm/125μm&62.5μm/125μm<br>Single mode : 1310nm 0 ~ 40KM , 1550nm 0 ~ 120KM 。 9.5μm/125μm   |
| Chip Parameters               | Network Protocol                        | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3ab 1000Base-T;<br>IEEE802.3z 1000Base-X;<br>IEEE802.3x Flow Control  |  | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;<br>IEEE802.3u 100Base-TX;<br>IEEE802.3ab 1000Base-T;<br>IEEE802.3z 1000Base-X;<br>IEEE802.3x Flow Control;<br>IEEE 802.3af DTE Power via MDI;<br>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;<br>full load power consumption: <8W   | Standby power consumption: <8W;<br>full load power consumption: <10W                                     | Standby power consumption: <12W;<br>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;<br>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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