



Standard Network Access Controller

TW-Web1DC / TW-Web2DC / TW-Web4DC

Features

- Standard RS485 or TCP/IP communication.
- Big flash capacity can keep data for 10 years if no power.
- All of input interfaces have optocoupler protection and system is more stable.
- WEB server is built in access control. We can manage and real time monitor and no need install software.
- Access control's time zone can reach as many as 8 group and each group can have different verifications.
- Support multi verifications: Card, card+PSW, PSW, double cards, first card opening, door timer, timed alarm.
- Two door and Four door controller support inter-locking function.
- Support remotely open or close door, alarm, fire alarm.
- Support software to manage door through WEB and realize global anti passback.



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- Support alarm output of multi events like invalid card and time, door alarm, door open overtime.
- All of wiegand interfaces are compatible with wie gand protocol like 26,34,37.
- Data automatically sends without limitation of access controller qty.
- Separately set each cards validity.
- All of our access controllers support 485, TCP/IP controller's mixing installation.
- Support time attendance and on line guard tour function.
- Support real time management monitor by multiusers and multi devices.
- Working with IP camera to realize network real time monitor and video capture.

Parameters

Specifications	
User	30,000
Event	60,000 (485) / 50,000 (TCP/IP)
Alarm event	60,000
Communication	Rs485 or TCP/IP
Communication distance	1,200meters (485)
Card reader	Wiegand protocol
Door open method	Card, Card+PSW, PSW, double card, software, free pass, push button, door timer.

Standard Interface	
Card reader	2/4/4
Alarm output	1
Alarm input	1
Fire alarm input	1
Fire alarm output	1
Release button	1/2/4
Door sensor input	1/2/4
Lock output	1/2/4
Communication	RS485 /TCP/IP



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Basic Parameters

- Panel size: 210x125x22mm
- Panel color: Deep blue
- Panel weight: 200g - 350g
- Plastic cover : 214x105x37mm
- Metal boxsize: 320x272x74mm / 350x282x74mm
- Box color: Black
- Box weight: 1.8KG(bigger:2.2KG)
- Working temperature: <60degree
- Humidity: 10%--95%R.H
- Working voltage: 12V
- Working current: <80ma
- Rated power: <5W
- Data protection if no power supply: 10years

Application Area

- Government, research institution Industrial and mining enterprises Intelligent building, officebuilding Intelligent community, villas Apartment, communication room Bank financial institutions, treasury Military installation, prison Subway, airport, busstation Turnstile control, car parking system University, hospital, hotel.

Access Controller wiring diagram explanation

- Wire from card reader to access controller: suggest using 8 core multi-strand twisted-pair shielded cable. 2 cables to be connected to 12V+, 2 cables to be connected to GND, GREEN line for DO, White.
- line for D1, Blueine for LED/BUZZER line. Line diameter should be > 0.5mm, and the distance between reader and controller should be less than 60meters, shield line for access control's GND.
- Wire from release button to access controller: Suggest 2 core line, line diameter should be >0.3mm.We can use 2 lines of 8 core network line.
- Wire from Idk to access controller: suggest using 2 core power supply line. Line diameter should be >1mm. If distance between lock and controller is >50 meters, we should use thicker line, or use more.
- lines for example 2 lines or more for lock's 12V line, and 2 lines or more for lock's GND.
- Wire from door sensor to access controller: suggest using 2 core line. Line diameter should be >0.3mm.
- RS4® communication layout: suggest using 2 core (line diameter>0.5mm) shield line from converter to access controller. In theory, the communication distance can be as long as 1200 meters. However, we suggest that the distance should be less than 800 meters if taking the environment into consideration.



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- TCP/IP communication: Use country standard network line, the distance between controller and HUB or PC should be less than 100 meters.
- House reset access controller: Reset is to clear all data inside chip and makes it come back to default. There are 2 kinds of reset: Software and hardware If failure through software, we have to initialize by hardware. IP address will be default IPReset pole is right side of Power input with the mark of "RESET".
- 1. Software reset operation: Open software---right click on the controller to be initialized---device---Reset controller.
- 2. Hardware reset operation: use sharp things like clip/refill/screw,/tooth pick/iron wire to plug intdVreset pole, and press dgwn the wt key for 4 sec. After hearing bgp. beep, release reset key, and repower controller. TCP controller will automatically restart.

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