

# TCP/IP single access controller

TCP/IP single access control (Card reading only type, keypad and reader type, Keypad + Reader + LCD type) is one of TCP/IP access controllers. One EM or Mifare card reader is built in, and we can connect a external wiegand reader to realize swipe card for door entry or exit. It has built in WEB management and we can manage it directly.



## Reliability

10 years experience

## Comprehensive

Network access control's all features

## Standard

Standard protocol and interface

## Quality

3 years' warranty

## Features

- ◇ Directly integrate 10M TCP/IP communication with excellent transmission performance
- ◇ All of chips are imported to meet industrial demand and wide working environment
- ◇ Japanese SONY's relay to assure replay longer life
- ◇ Support door open or close remotely
- ◇ All of TCP access controllers have built-in web interface. We can manage access control without installing software and monitor realtime events
- ◇ Support to connect a external card reader, fingerprint reader...
- ◇ Each door's time zone has as many as 16 groups, and each group can choose different verification methods.
- ◇ Support multi verifications: Card, card+PSW, PSW, double cards, free pass, door timer, timed alarm
- ◇ Support anti pass back and global anti pass back.
- ◇ Support many kinds of 'events' alarm output like invalid card, invalid time, door alarm, or door open overtime.
- ◇ Support the setting of each card's valid time.
- ◇ All of access control devices support RS485, TCP/IP controller's mixing installation.
- ◇ Support time attendance and on line guard tour function.
- ◇ Working with IP camera to realize network real time monitor and video capture.

## TCP/IP Parameter

User 21000  
Event 50000  
Alarm event 60000  
Communication TCP/IP  
Communication distance Software management without limitation  
Card reader Wiegand protocol  
Door open method: Card, Card+PSW, PSW, double card, software, free pass, push button, door timer.

## TCP/IP Standard interface

Card reader: 1  
Reaction wire coil: 1  
Fire alarm input: 1  
Release button: 1  
Door sensor input: 1  
Lock output: 1  
TCP/IP communication: 1

## TCP/IP Basic parameter

Panel size: 113×73×17mm  
Panel color: Deep blue  
Panel weight: 80g

Case color: Black  
Case weight: 50g  
Case size: 125×82×20mm

Working temperature: <60degree  
Humidity: 10%--95%RH  
Working voltage: 12V  
Working current: <240ma  
Rated power: ≤5W  
Data protection if no power supply: 10years

## TCP/IP Application area

Intelligent community, office building  
  
Small area and need install access control  
  
Embedded into other devices





# TCP/IP single access controller

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 D0, White line for D1, Blue line for LED/BUZZER line. Line diameter should be  $>0.5\text{mm}$ , and the distance between reader and controller should be less than 60 meters, shield line for access control's GND.

Wire from release button to access controller: Suggest 2 core line, line diameter should be  $>0.3\text{mm}$ . We can use 2 lines of 8 core network line.

Wire from lock to access controller: suggest using 2 core power supply line. Line diameter should be  $>1\text{mm}$ . 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  $>0.3\text{mm}$ .

TCP/IP communication: Use country standard network line, the distance between controller and HUB or PC should be less than 100 meters.

How to reset access controller: 1. Power off controller, short reset jumper, power controller for 6 sec. and controller buzz will send 2 sound, after power off, disconnect reset jumper, then power again, all of data in controller is cleared.

2. Open software, right click on controller icon to be initialized—device—reset access controller.

