Superb Intelligent Access Control System – Simple Introduction

Superb Intelligent Access Control System offer powerful simplicity in setup and maintenance, which provides major savings in materials and labour. It is a full-featured access control system priced at the cost of systems with far fewer capabilities and features. This is truly an all in one package.

Photo ID

- Custom Photo ID design software and twain compatibility means there are no additional expensive software packages to buy
- Card holder's picture displays based on real time monitoring

Floor Plan

- Real-time maps provide visual status of the facility
- Controls system devices from the floor plan view
- No need to go through multiple screens to unlock a door

Reporting Enhancements

- Scheduled download reports do not require manual intervention which saves time and money
- Run a report from archived events to find out what events took place last month
- Reports available via internet for easy access (TCP/IP model)

Real-Time Alarm Monitoring

- User-defined instructions reduce training time for system operators
- Event reports will show annotations, forcing guards to acknowledge an event
- Recognizing important events by colors

Additional Features

- Built in RS232 connector for RS485 contorller, no external converter need, installation cost saving.
- Batches of card holders can be modified quickly and easily, eliminating tedious, repetitive card holder data modification

TCP/IP network door access control system

TCP/IP network door access control system is based on TCP/IP communication protocol, which uses network optical cable to transfer data of door control information. It has a built-in internet communication port on its main board and could be connected with router or hub directly through network cable.

By TCP/IP network, the door access control system could manage doors in a same LAN, or a large WAN, or on internet. In reality, each access control main board could be assigned an IP address so the software could visit and manage it individually. For internet control, , the operator could control the system worldwide with ease and it is much better than old day's telephone line control method.

The main difference between TCP/IP and RS485 access control system has two factors, first is the transmission speed, TCP/IP is much faster than RS485 (TCP/IP is 10M/100M Bytes while RS485 is 9600Baud, 1Baud=1 bit per second), second is the capacity of the whole system, the size for RS485 and LAN is 255, the size for WAN or Internet use is unlimited.

RS485 network door access control system

RS485 door access control system is based on RS485 communication which uses bus connection (handshaking mode). The maximum transmission distance in RS485 system is 1,200 meters (3,888 feet) or longer with RS485 expander. Because of the built-in RS485 communication chip and handshaking bus wires connection, the system will remain same communication if any node is defective.

In RS485 door access control system, the shield twisted 2 core wire is recommended, being shield and being twisted is for reducing the noise generated by magnetic fields from the environment and maintain the stability of the communication.

The transmission and reaction speed of RS485 door access control system would be declined gradually when the transmission distance expanding due to the special characters of RS485 communication(the control center ask and each node answer one after another, the rest nodes must be waiting for their turn if an answering signal is transmission over the bus wires).

RS485 door access control system is still the most popular used door entry control system because of its easy installation and cheap cost. When the system installs access control main boards under 100, the system could run smoothly without any problem, but when the amount exceeds 100, you will be recommended to be careful to consider the stability before your purchasing.

One thing to remind, in theory the distance for RS485 is 1200 meters, but it is recommended that the best performance is under 800 meters because the longer distance the less stable the data transmission is.