Central control system

ODT central control host parameters

- **RS232 serial port**: 16 programmable RS-232 serial ports; used for control of matrix, led/lcd splicing video processor, splicing processor, conference camera, conference recording and broadcasting, etc.

  - ◆ **Baud rate**: 300-115200 optional;
  - ◆ **Data bits**: 8 bits;
  - ◆ **Stop bit**: 1 or 2;
  - ◆ **Verify**: None, Even, Odd;
  - ◆ **Data expression format**: character or hexadecimal
  - ◆ **Connector definition**: the 2nd pin is RX, the 3rd pin is TX, the 5th pin is GND;

- **RS485/422 serial port**: 8 channels, programmable, RS-485 serial port, and RS-232 are not related to each other and can be used at the same time; (there are up to 24 serial ports)

  - ◆ **Baud rate**: 300-115200 optional;
  - ◆ **Data bits**: 8 bits;
  - ◆ **Stop bit**: 1 or 2;
  - ◆ **Verify**: None, Even, Odd;
  - ◆ **Data expression format**: character or hexadecimal
  - ◆ **Connector definition**: the 8th pin is D-/B, the 9th pin is D+/A, and the 5th pin is GND.

- IO port: support external high level trigger action or output high level;

  - ◆ Input high level voltage: 1.8-36V;
  - ◆ Output high level voltage: 3.3V;
  - ◆ The maximum output pulse width: 200ms;
  - ◆ Maximum input and output current: 20mA;
  - ◆ Pull-up resistor: support external connection.

- Infrared port: 8 independent programmable infrared emission ports, support control of multiple same or different infrared devices, support control of all infrared remote control devices such as DVD, TV, air conditioner, projector, etc.;
- Control communication: Ethernet (TCP/IP), 10/100M adaptive.
- Processor: Embedded dual processor. It adopts embedded high-speed central processing unit (CPU) for parallel computing, which is different from the traditional central control system. It can quickly process various complex control instructions and improve the speed of responding to users;
- Design level: high-end occasions. It is completely designed in accordance with the requirements of the intelligent conference central control host, with a large number of rich control ports,
- Instruction memory: FLASH, large-capacity FLASH memory, can store up to 2048 control instructions, meet the control storage requirements of any occasion, and support expansion;

  - ◆ Storage method: high-speed FLASH;
  - ◆ Control instruction data capacity: 256M;
  - ◆ Maximum read and write speed: 66Mb.

- Relay: 8-way weak current relay interface, used for the control of curtains, electric curtains, lights, lifting screen lifters, etc.;

  - ◆ Contact form: 1C (SPDT);
  - ◆ Contact load: 2A/30 VDC;
  - ◆ Impedance: ≤100mΩ;
  - ◆ Rated current: 3A;
  - ◆ Electrical life: ≥100,000 times;
  - ◆ Mechanical life: ≥10 million times;
  - ◆ Coil insulation resistance: ≥100MΩ;
  - ◆ Withstand voltage between coil and contact: 4000VAC/1 minute;
  - ◆ Withstand voltage between contacts: 750VAC/1 minute.

● **features**

1. Odite is specially designed for advanced requirements. The host is equipped with 16 RS232 serial ports, 8 RS485\422, 8 infrared ports, 8-Relays relay ports and other control ports.

2. Non-web-based, each platform (IPAD, Android, windows) has a dedicated control software with the same function, which is more professional, easy to use and stable.

3. Processor: dual processor. The embedded high-speed central processing unit (CPU) is used for parallel computing, which can quickly process various complex control instructions and improve the speed of responding to users.

4. Using automatic font recognition technology, any fonts used when designing the interface on Windows computers can be displayed correctly on IPAD tablets and Android tablets (no need to make pictures).

5. The programming design platform can automatically generate various 3D buttons (no need to design pictures); it also supports picture buttons, supports the transparency effects of PNG, WMF, ICO, and GIF pictures, and can realize buttons of any shape and interfaces with various effects.

6. The design platform adopts advanced software technology, does not need to use any computer language for programming, and does not need to use various complex logic modules and macros to facilitate construction, later maintenance and upgrades.

7. The program designer does not need to go to the site in person, but can directly change the content of the program by using the Internet to transmit through the Ethernet network.

8. Simultaneously support IPAD tablet, Android tablet, windows computer control (notebook, desktop, all-in-one, etc.), a designer supports all platforms, and the control interface of IPAD tablet, Android tablet and windows computer is exactly the same, which is convenient for users use. A variety of methods can be used at the same time to back up each other and make the project more robust.

9. The host has a built-in infrared learner, which can save the infrared data to the computer as an infrared library file for subsequent projects or subsequent maintenance and upgrades.

10. Control communication: Ethernet (TCP/IP), 10/100M adaptive, TCP SERVER mode, can also be customized as UDP mode, and can also be connected to a radio frequency receiver.

11. The IPAD control software has passed the strict official review of Apple Inc., and can be installed directly on the app store to ensure stability and compatibility, without jailbreaking or cracking.

12.Instruction memory: FLASH, large-capacity FLASH memory, can store up to 2048 control instructions, meet the control storage requirements of any occasion, and support expansion.

Connection diagram of central control system