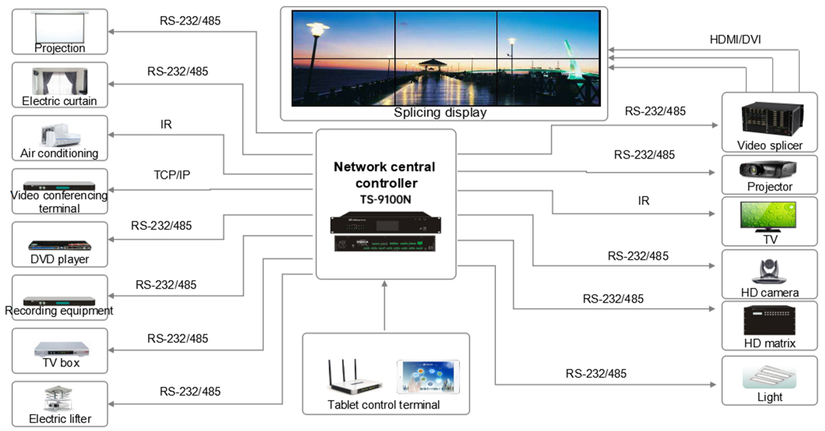
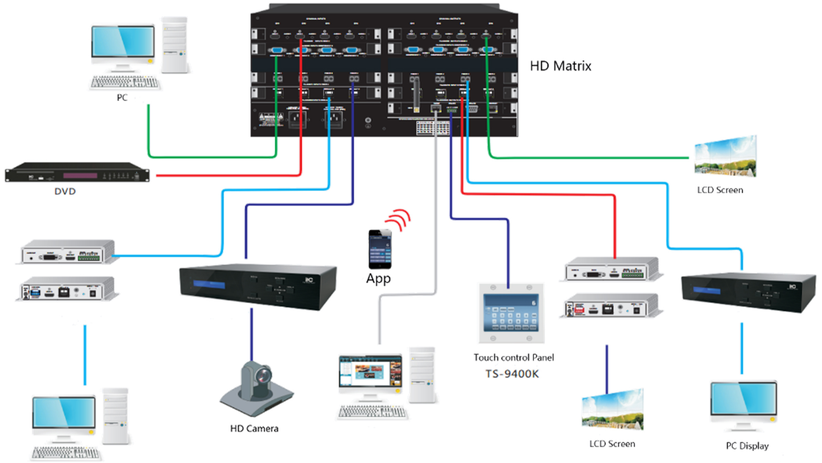
TOPOLOGY DIAGRAM OF SMART CENTRAL CONTROL SYSTEM ▸▸



TOPOLOGY DIAGRAM OF HD MATRIX ▸▸



FEATURES ▸▸

Interface customization

- Support Android, IOS mobile terminal to install control software, adapting to various mobile end;
- Support interface design beautification, customizable background image, buttons, text, etc.;
- With the central control programming, you can set different scenes which can be switched easily by one button.

Scene control

- After programming (according to the project requirements), all the linkage startup and scene switching can be completed with one button on the tablet to get a simpler operation.

Convenient control

- Support Android, IOS mobile device(mobile phone or tablet, etc.), wall installation, console control, desktop console mode, etc., which can meet various types of conference room control.
- Support wired or wireless management, unlimited manager user.

Audio and video synchronization

- Support synchronous switching of audio and video signals, with fast switching response
- There are many types of signal conversion interfaces, which support arbitrary conversion of HD and SD interfaces

Ultra long distance transmission

- Support HD baset transmission and optical fiber transmission, simplify wiring and simple installation
- 1080P HD uncompressed video signal can be transmitted with a single network cable or optical fiber
- The transmission distance of multi-mode optical fiber is 300 meters, and the transmission distance of single-mode optical fiber is 20 KM, network cable transmission distance is 150 meters

KVM function

- Support KVM function. It can be operated remotely by PC to improve system security and work efficiency

Dual-system hot backup

- When one central controller fails, another central controller can take over the service, so that the system can continue to operate without manual intervention.

Cascade and mutual control

- Multiple network central controllers realize network cascade and control to achieve the effect of interconnection, mutual control, and linkage switching. Multiple central control units can be controlled through the same touch terminal, and up to 250 units can be controlled;

Guangdong Baolun Electronics Co., Ltd. (ITC AUDIO VIDEO - National High-tech Enterprise

Factory Add: No. 56 Nanli East Road Shiqi Town, Panyu District, Guangzhou

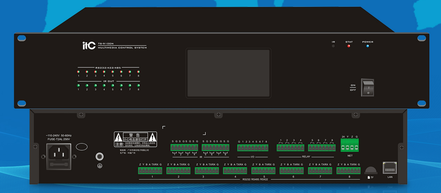
Headquarter Add: Building No.A13-1 Yiku Industrial Park, The Hills, Dongyi Road, Panyu District, Guangzhou China

Website: www.itctech.com.cn

Email: info@itc-pa.com.cn

Tel: 86-020-39378731

Smart Central Control & Matrix System



www.itctech.com.cn

Network Central Controller TS-9100N

* Standard 19-inch cabinet design, 2U height, the front panel is made of black oxide wire drawing process, neat and elegant.
* With a 4.3-inch LCD touch color screen, the user can check the IP address and modify the IP address.
* Fully support network control, with network interface; support multiple IOS platforms (iPhone/ipad), Android platforms and other mobile device terminals to communicate with the controller through WiFi.
* Adopt programmable control platform, interactive control structure, Chinese and English programmable interface.
* Built-in 256MDPR and 8 GEMMC large-capacity FLASH memory.

Model	TS-9100N
Processor	32-bit Cortex-A8 ARM architecture microprocessor, the clock speed is up to 720MHZ
Memory	256MByte DDR3 RAM, 8 GByte EMMC Flash
Serial port	8 terminal modules, each module has 7PIN headers; support RS-232, RS-485 and RS-422 signals
Infrared IR port	8 terminal modules, 16PIN pin headers
I/O port	8 terminal modules, 9PIN header, with protection circuit, support 0-5V digital input signal
Low current relay port	8 terminal modules, 16PIN pin header, normally open independent relay, rated 1A/5V digital signal
NET port	1 terminal module, 4PIN pin header, support NET control bus, provide DC24V/2A output power
Packaging method	Metal cabinet, rack mounted installation
Input power	110~240V 50~60Hz
Software	Control System Builder, Chinese and English interface
Dimension	484×236×88mm (L×W×H), 2U height
Weight	4.3Kg
Power consumption	12W

8-channel Power Controller TS-9101

* Protocol compatibility: used with programmable central controller, fully support third-party device control.
* Manual control: there are 8 buttons in the front panel; the switch of the relay can be manually controlled in emergency. This function can be used in case of special situation on site to protect other equipment well.
* With 8 relays, each relay has a wiring pole with three connection points, and supports the functions of normally open and normally closed; with 1 neutral terminal interface.
* With 8 independent power switch control, single current supports 20A.
* With a reset button, support factory reset function.
* With equipment running status indicator and switch status indicator of 8 relays.

Model	TS-9101
Panel button	8 independent power switch control (manual)
Load capacity	Single current 20A
Power supply	Wide voltage universal power supply (AC110V - AC240V)
Control mode	RS-232 or network interface
RS-232 interface	3 PIN pin header ; Baud rate: 9600, Data bit: 8, Stop bit: 1, Check bit: None.
Network interface	RJ-45, 100M
Dimension (L×W×H)	484×209×44mm
Weight	3.2Kg
Switching current	20A (MAX)
Maximum power consumption	7.2W

4K HD Video Switcher TS-9104UHM

* Support 4K ultra HD video 4 HDMI inputs, 4 HDMI outputs.
* Support HDMI 1.4 standard, HDCP1.4 standard.
* HDMI input supports simultaneous audio and video input; with 4 audio output interfaces, which can be connected to external mixers, processors, active speakers and other equipment for sound reinforcement.
* The maximum input and output resolution can reach 3840x2160@30Hz, which is compatible with any resolution below the maximum resolution, and the output resolution is consistent with the input resolution.
* DC 12V power supply, the maximum power consumption is 20W.

Model	TS-9104UHM
Digital video input	4×HDMI digital video input
Output interface	4×HDMI digital video output, 4×analog audio output port
Control interface	1×NETWORK, 1×RS 232, 1×IR IN, 1×USB UPDATE
HDMI	HDMI1.4
HDCP	HDCP1.4
HDMI maximum bandwidth	10.2Gbps
Maximum transmission distance	10m (3840×2160(30Hz)；15m (1080P(60Hz)
Ambient temperature	-10℃-+45℃
Ambient humidity	10%-80%
Power supply	DC 12V
Power consumption	20W
Dimension	484*298*45mm (L*W*H)
Weight	3.5Kg

Seamless HD Matrix Network Switcher TS-9408UHM

* The modular matrix controller that can be configured with input/output signal boards supports 8×8 signal switching.
* Support any input/output signal board of HDMI, DVI, VGA, SDI, HD BaseT, optical fiber to improve the flexibility of the system, in which the DVI input board is compatible with CVBS, YUV, VGA,HDMI signals, VGA input/output boards are compatible with CVBS, YUV, VGA singals.
* By custom configuration of various types of the same or different input and output boards, it can form a single-interface or multi-interface matrix, such as HDMI matrix, DVI matrix, VGA matrix, YUV matrix and so on.
* Support maximum resolution up to 3840x2160 30Hz.
* Support seamless switching function, no black screen during switching.

Model	TS-9408UHM
Input board	2
Output board	2
Control board	1
Input channel	8
Power supply	AC 100V~240V, 50/60Hz, international adaptive power supply
Serial port	1×RS-232 (9-pin female D-type interface)
RS-485 control interface	4-digit 3.8mm Phoenix interface, used with a touch panel
Baud rate and protocol	9600; data bits: 8 bits, stop bits: 1, no parity bit
Display screen	7-inch full-color touch capacitive screen
Ethernet control interface	RJ-45 female interface
Ethernet control interface	Adaptive 10M/100M, full duplex or half duplex
Output channel	8
Ambient temperature	AC 100V~240V, 50/60Hz, international adaptive power supply
Dimension (mm)	484 (L) x 356 (W) x 132 (H)
Weight	5.3KG (without any boards)

4K Ultra HD KVM Reciever TS-9506KUR

* Adopt advanced HDBaseT transmission technology, 10.2Gbps transmission rate, no signal compression, no signal loss and delay.
* Support HD BaseT input, HDMI and DVI digital video output interface.
* Support HDMI 1.4 standard (compatible with DVI 1.0) and HDCP 1.4 standard.
* Support maximum resolution 4Kx2K @30Hz, and the output resolution and input resolution are the same.
* Support long distance transmission: the network cable for 1080P image transmission can reach 100m, and that for 4K image transmission can reach 70m.
* Strong port driving capability. HDMI/DVI cable for 1920*1080P 60Hz image transmission can reach 15 meters and 10 meters for 3840*2160 30Hz image transmission.

Model	TS-9506KUR
Input port	1x HDBaseT network port
Output port	1x HDMI TYPE-A; 1x DVI-D, 1x3.5mm audio
KVM port	2 x USB TYPE A port
Two-way pass-through infrared port	1xIR Phoenix terminal
Two-way pass-through serial port	1x RS232 Phoenix terminal
CMD control serial port	1x RS232 Phoenix terminal (multiplexed)
Switch	1x KVM or pass-through RS232 selector switch
Button	6x panel operation keys
LCD screen	1x LCD display
Upgrade	1x Micro USB TYPE-B programming port
HDMI standard	HDMI 1.4 (DVI 1.0 compatible)
HDCP standard	HDCP 1.4
HDBaseT standard	HDBaseT 1.0
HDBaseT maximum bandwidth	10.2Gbps
Maximum RS232 baud rate	256000bps

4K Ultra HD KVM Transmitter TS-9506KUT

* Advanced HD BaseT transmission technology, 10.2Gbps transmission rate, no signal compression, consumption, or delay.
* Support HDMI and DVI digital video input port, support HD BaseT output and HDMI monitor output.
* Support HDMI 1.4 standard (compatible with DVI 1.0) and HDCP 1.4 standard
* Support the maximum resolution 4Kx2K @30Hz; the output resolution and input resolution are the same.
* Support long distance transmission: the network cable for 1080P image transmission can reach 100m, and that for 4K image transmission can reach 70m.

Model	TS-9506KUT
Input port	1x HDMI TYPE-A; 1x DVI-D, 1x3.5mm audio
Output port	1x HDBaseT network port; 1x HDMI TYPE-A monitor output port
KVM port	1 x USB TYPE B port
Two-way pass-through infrared port	1xIR Phoenix terminal
Two-way pass-through serial port	1x RS232 Phoenix terminal
CMD control serial port	1x RS232 Phoenix terminal (multiplexed)
Switch	1x KVM or pass-through RS232 selector switch
Button	6x panel operation keys
LCD screen	1x LCD display
Upgrade	1x Micro USB TYPE-B programming port
HDMI standard	HDMI 1.4 (DVI 1.0 compatible)
HDCP standard	HDCP 1.4
HDBaseT standard	HDBaseT 1.0
HDBaseT maximum bandwidth	10.2Gbps
Maximum RS232 baud rate	256000bps
Maximum video resolution	3840×2160 @30Hz
Maximum cable length (CAT6)	1920x1080 @60Hz: 100m; 3840x2160 @30Hz: 70m
Maximum HDMI cable length	1920x1080 @60Hz: 15m; 3840x2160 @30Hz: 10m

Central Dimming Controller TS-9103S

* Protocol compatibility: used with programmable central controller, fully support third-party device control.
* ID selection: support ID identification, convenient for system cascading extension.
* It has 8 channels of 0-10V controllable dimming power supply. The dimming power supply can be a constant voltage dimming power supply or a constant current dimming power supply. The maximum driving current of each channel is 40mA.
* With 1 DMX512 dimming control interface, adjust up to 512 controlled channels, adjust the brightness of 512 channels of lights.
* With a reset button, support factory reset function.
* Indicator light: indicate the running status and the switch status of the machine.

Model	TS-9103S
0~10V interface	Output power: 0~10V, output current: 40mA*8 channels
DMX512 interface	1 channel, support up to 512 controlled channels
Power supply	AC 110V~240V, 50Hz/60Hz
Control mode	Via RS-232 or Ethernet port
RS-232 interface	3PIN pin header; Baud rate: 9600, Data bit: 8, Stop bit: 1, Check bit: None
Network interface	RJ-45, 100M
Dimension	484×209×44mm
weight	3.2Kg
Power consumption	7.2W (MAX)

Control panel TS-9110A

*Thin screen, 27mm thickness, integrated high-precision middle frame mold.
*Built-in 200W camera and 2*2W speaker.
*Support 1-channel RJ45 network interface, 100M network transmission.
*Multi-touch capacitive screen.
*Full-view HD screen with a resolution of 1280*800.
*Support POE power supply, realize convenient wiring.
*Support DC12V power supply.

Model	TS-9110A
CPU	RK3288, quad core, 1.8G
RAM	2GB
Memory	8GB
Operating system	Android7.1
Display screen	HD IPS screen
Resolution	1280*800
View area	217(H)x135.6mm(V)
Contrast	1300
Brightness	280cd/㎡
Screen ratio	16:9
Touch screen	10.1-inch capacitive touch screen
Light bar	Left and right LED light bar; status light can change color
Media player	Video format: MPEG-1, MPEG-2, MPEG-4, H.263, H.264, VC1, RV Audio format: MP3/WMA/AAC Picture format: jpeg
Speaker	2*2W
Camera	Front 200W
Communication port	Front 200W
Other port	USB*2
DC	DC power supply 12V input

Seamless HD Matrix Switcher TS-9416UHM

* Modular matrix controller with configurable input/output signal boards, support 16×16 signal switching.
* Support HDMI, DVI, VGA, SDI, HD BaseT, optical fiber or any input / output signal board, improve system flexibility. DVI input board is compatible with CVBS, YUV, VGA signal, VGA input / output board are compatible with CVBS, YUV, VGA.
* Customized configuration of various types of the same or different I/O boards to form a matrix of single interface type or multi-interface type, such as HDMI matrix, DVI matrix, VGA matrix, YUV matrix, Video matrix, etc.
* Support maximum resolution up to 3840x2160 30Hz.
* Support seamless switching function, no black screen signal during the switching process.

Model	TS-9416UHM
Input board	4
Output board	4
Control board	1
Input channel	16
Output channel	16
Serial port	1×RS-232 (9-pin female D-type interface)
Baud rate and protocol	9600; data bits: 8 bits, stop bits: 1, no parity
RS-485 control interface	4-digit 3.8mm Phoenix interface, used with a touch panel
Ethernet control interface	RJ-45 female interface
Ethernet control rate	Adaptive 10M/100M, full or half duplex
Power supply	AC 100V~240V，50/60Hz，International adaptive power supply
Environment temperature	-20℃-+70℃
Dimension(mm)	484（L）x 356（W）x 222（H）
Weight	16.5Kg (full of IO boards)

Seamless HD Matrix Switcher TS-9436UHM

* Modular matrix controller with configurable input/output signal boards, support 36×36 signal switching.
* Support HDMI, DVI, VGA, SDI, HD BaseT, optical fiber or any input / output signal board, improve system flexibility. DVI input board is compatible with CVBS, YUV, VGA signal, VGA input / output board are compatible with CVBS, YUV, VGA.
* Customized configuration of various types of the same or different I/O boards to form a matrix of single interface type or multi-interface type, such as HDMI matrix, DVI matrix, VGA matrix, YUV matrix, Video matrix, etc.
* Support maximum resolution up to 3840x2160 30Hz.
* Support seamless switching function, no black screen signal during the switching process.

Model	TS-9436UHM
Input board	9
Output board	9
Control board	1
Input channel	36
Output channel	36
Serial port	1×RS-232 (9-pin female D-type interface)
Baud rate and protocol	9600; data bits: 8 bits, stop bits: 1, no parity
RS-485 control interface	4-digit 3.8mm Phoenix interface, used with a touch panel
Ethernet control interface	RJ-45 female interface
Ethernet control rate	Adaptive 10M/100M, full or half duplex
Power supply	AC 100V~240V, 50/60Hz, International adaptive power supply
Ambient temperature	-20℃-+70℃
Dimension	484x356x400mm (L*W*H)
Weight	31Kg (full of IO boards)

INPUT & OUTPUT CARD ▸▸

TS-9404IPI

TV-9604HI

TV-9604HO

TS-9404DI

TS-9404DO

TS-9404FI

TS-9404FO

TS-9404CI

TS-9404CO

TS-9404SI

TS-9404SO

TS-9404HBI

TS-9404HBO

TV-9604HI-4K

TV-9604HO-4K

www.itctech.com.cn
www.itctech.com.cn