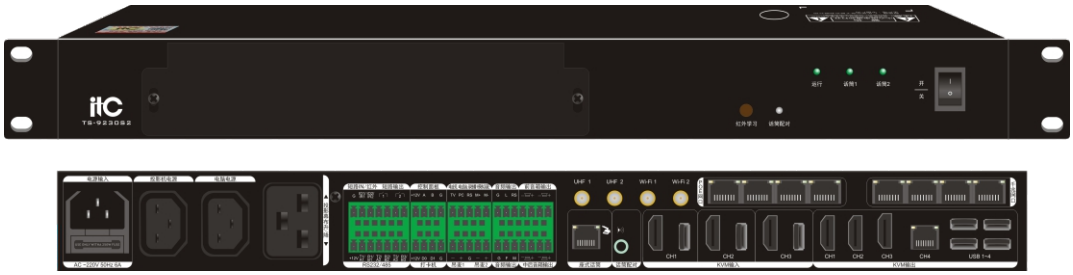
Multimedia terminal

TS-9230S2



Description

It is a multimedia IoT teaching terminal integrating functional modules such as audiovisual matrix, IoT central control, amplifier and network decoding. Characterized by high equipment integration and strong extendability, it is suitable for conventional classrooms, multimedia classrooms, lecture halls, etc.

Feature

* The equipment is highly integrated, with built-in audio switching module, video switching module, infrared learning and transmitting module, equipment power management module, electric curtain control module, power amplifier module, network broadcast module, control interface module, video decoding module, wireless screen projection module, etc.
* HD video switching function, support 3-in and 4-out audio and video switching, and support 4K signal transmission when the transmission distance is 3 meters. Support audio and video synchronous input and output multi-IoT interfaces, and support device linkage through infrared, RS232, RS485, relays, etc.
* With the combined plug-in modular computer interface, the interface has built-in power supply module and line connection module, no need to configure additional video cables and power cables, the wiring is beautiful, and it is easy to use and maintain. Support access to standardized OPS computer modules, and the classroom can meet the needs of teachers without additional teaching computers.
* The device integrates 1 infrared learning port and 2 independent programmable infrared IR transmission interfaces, which can remotely control multiple infrared remote control devices, such as cameras, TVs, projectors, air conditioners, educational whiteboards, etc.
* With 1-way electric curtain control interface, support the control of electric curtain lift/lower/pause functions.
* Integrate 1-channel network broadcast module to realize network remote broadcast, music playback and scheduled bell ringing.
* With 2-way weak relay control interface, it can trigger and control power sequencers, desktop computers, electronic door locks and other equipment.
* With 3-way RS-232 two-way communication interface, which is independently programmable and can be connected to projectors or third-party communication equipment, such as signal switchers, power controllers, dimmers, cameras, etc.
* With 4-channel RS-485 control interface, which is independently programmable and can be connected to projectors or third-party communication equipment, such as signal switchers, power controllers, dimmers, cameras, etc.; one of the channels is connected to an expansion panel, providing DC 12V/0.5A power supply, and can be used with other high-power panels that require independent power supply.
* With 2-way I/O interface, which can be connected to switch sensing equipment such as human body sensing/disconnection alarm, etc., and can realize door lock control linkage and other functions.
* With 1 Wiegand protocol interface, which can be connected to the card reader to control the card swiping attendance management function.Support customized card swiping mode, swiping card to link to class and get out of class mode; support IC card permission management, and can control classrooms by role, time period or course.
* Integrated wireless screen projection module, combined with 2.4G antenna, support multiple screen projection methods, support mainstream video APP screen projection through DLNA; support Mircast protocol and AirPlay protocol screen projection.
* Integrated ≥ 6 audio inputs: 1 stand-mounted microphone sound control input, suitable for desktop stand-mounted microphone sound amplification; 1 channel computer/teaching tablet audio input interface; 1 channel audio input interface for recording and broadcasting system;1 channel analog desktop microphone input interface; 2 channels non-inductive teaching microphone input interface.
* Integrate ≥ 4 audio outputs: 1 audio output; 1 recording and broadcasting system audio output, which can be used with the recording and broadcasting system to meet interactive teaching needs; 1 front-end sound reinforcement audio output; 1 mid- and back-end sound reinforcement audio output.
* Integrated ≥8-port switch: 4 channels with AT standard POE power supply, 4 channels of standard RJ45 network interface, 10/100/1000Mbps network adaptation.
* Built-in infrared frequency binding transmitter, used for wireless teaching microphone frequency binding.
* With 1-channel 3.5mm infrared frequency linking expansion interface, which is used to connect an external infrared frequency linking transmitter to expand the frequency linking range.

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* With 2-channel digital wireless antenna expansion interface for external receiving antennas to expand the reception range.
* With 2 programmable power control interfaces and 1 programmable projection power control interface. Support delayed power-off function and current monitoring, which can effectively protect the equipment.
* Support extended touch panel, touch screen, mobile phone tablet (APP), web and other methods for management and control, and support customized one-click class entry and exit functions.
* Integrated network broadcast function, built-in network IP decoding module, can be used as a digital broadcast decoding terminal, and can be used with the network broadcast system to realize scheduled broadcast, network audio playback, remote program on-demand, scheduled task playback and other functions.
* Integrated device power management function, with 3-way programmable power control interface, support delayed power-off function and current monitoring, which can effectively protect the device.
* Integrated sound quality adjustment function to realize practical functions such as remote gain adjustment, 15-band EQ balance adjustment, noise gate, compressor, feedback suppression, audio matrix, etc. It can cope with various complex and changeable classroom environments, making it easy to adjust and optimize the classroom sound reinforcement environment.
* Integrated howling suppression function can effectively increase the transmission gain, ensure the stability of teaching sound amplification, and improve the class experience of teachers and students.
* Built-in non-sensory teaching microphone audio processing function, providing AFC (Auto feedback control), AGC (Auto gain control), AEQ(Auto equalization), ENC (Environmental noise cancellation) and other audio processing algorithms, which ensures clear sound amplification during lectures so that students can hear clearly and teachers can speak easily.
* Providing multiple sets of audio interfaces to facilitate the access of interactive intelligent flat panel, computers, recording and broadcasting sources, and audio matrix output. Equipped with an audio switching matrix, it supports customized audio input and output configurations to achieve precise management and control of teaching audio scenes.
* The built-in digital wireless teaching receiving module supports the access of two teaching wireless handheld wireless microphones, expanding the teacher's teaching range and enriching teaching methods, and at the same time facilitating classroom interaction between teachers and classmates.
* Digital wireless audio transmission adopts digital modulation method, which ensures stable transmission and ensures smooth sound amplification without lag during the teaching process. At the same time, automatic frequency scanning and automatic frequency binding functions can realize non-inductive access of wireless microphones, making it convenient for teachers and students to use.

Specification

Projector power output interface	AC 220V
Computer power output interface	AC 220V
Curtain control	Up and down control
Remote control tablet interface	Independent RS485 interface
Desktop microphone	RJ45 interface
Line audio output	Unbalanced 1V output/470Ω impedance
Recording and broadcasting system audio output	Unbalanced 1V output/470Ω impedance
Front-end audio output	Unbalanced 1V output/470Ω impedance
Mid- and rear-end sound reinforcement audio output	Unbalanced 1V output/470Ω impedance
Computer/teaching tablet audio input	Unbalanced 350mV
Recording and broadcasting system audio input	Unbalanced 350mV
Analog desktop microphone audio input	Balanced 100mV
Non-sensory teaching microphone audio input	Balanced 40mV
Front-end amplifier output	2*200W MAX/8Ω
Mid/rear amplifier output	2*200W MAX/8Ω
SNR	≥73dB
Network Interface	4-way 1000Mbps RJ45 interface, 4-way AT standard POE network port
Operating Voltage	~220V 50Hz
Machine power consumption	900W
Operating temperature	-10℃~45℃
Working humidity	20%~80% relative humidity, no condensation
Size (L*W*H)	484*290*44mm
Weight	4kg