Cloud Controlled Classroom Terminal

TS-9210P

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, strong extendability, and powerful functions, it is suitable for conventional classrooms, multimedia classrooms, lecture halls, etc.

Feature

* Standard 2U rack-mount design, black aluminum oxide brushed panel, professional mechanical assembly process.
* High equipment integration, diversified functions, built-in audio control, video matrix, IoT central control, amplifier and network decoding and other modules.
* With a built-in matrix switching module, it supports 3 HMDI inputs and 2 HDMI outputs, and realizes synchronous audio and video output.
* With a built-in volume control module, it supports 1 set of line input, 1 channel of MIC input, and 1 set of line output, and can independently manage the volume of the device.
* With a built-in 2.4G wireless audio module, it supports 2.4G wireless microphone access to realize wireless local sound amplification, which is convenient for users to make mobile speeches.
* With built-in 2*45W (MAX) digital amplifier modules and 2 amplifier output interfaces, it can be directly connected to constant-impedance speakers to meet local sound reinforcement needs.
* The built-in network broadcast decoding module can be used as a digital broadcast decoding terminal, and the extension management controller or broadcast controller can realize functions such as audio broadcast, BGM playback, and scheduled task playback.
* With 1 programmable power control interface, it supports delayed power-off function, and the length of the delay time can be customized to ensure that the device is automatically shut down and then powered off, which can effectively protect the device.
* With 1 motorized curtain control interface, it supports control of motorized curtain up/down/stop function. Using the European standard design, it prevents users from connecting other electrical devices to this interface, thereby avoiding damage to the device.
* With 1 IR learning port and 2 independent programmable IR sending ports, it can control IR remote control devices such as cameras, TVs, projectors and air conditioners.
* With 2 weak relay control interfaces, it can trigger and control power supply sequencer, electric control lock and other devices.
* With 2 RS-232 two-way communication interfaces, it can control projectors, signal switchers, power controllers, dimmers, cameras and other third-party devices.
* With 2 RS-485 control interfaces, it supports independent programming and access to temperature and humidity, current detection, PM2.5 detection and other sensors. The extension management controller realizes real-time monitoring of the classroom environment, and performs linkage control based on the monitoring data to automatically adjust the classroom to a comfortable learning environment.
* With 2 I/O interfaces, it can realize remote computer on/off control; it can be connected to switch sensor equipment such as biological perception/disconnection alarm, and can realize functions such as door magnetic status feedback.
* With 1 Wiegand protocol interface, it can be connected with an external card reader. The extension management controller implements the IC card attendance management function, supports the definition of card swiping mode, and automatically links the class mode/self-study mode when swiping the card.
* Support the control and management of 8 terminals: teacher web terminal, admin web terminal, Android APP, IOS APP, control panel, H5, WeChat applet, and DingTalk applet, characterized by multi-channel access to users, unified and convenient operation, and real-time synchronization of status. The extension management controller is required.
* Support multiple setting strategies of the classroom control panel, and control the terminal by swiping the card and the control panel keys to avoid unrelated personnel operations. The extension management controller is required.

Cloud Controlled Classroom Terminal

TS-9210P

* Support one-key reset function, support one-key reset to factory state.
* It adopts modular design and supports combined plug-in modular computer (OPS computer). It can also meet the needs of teaching without additional teaching computers in the classroom.
* The entire system is characterized by flexible scalability and powerful network control functions. Through the network, it can be extended to access serial IR control modules, I/O modules, relay modules, lighting control modules, etc., so as to realize the deep integration of classroom IoT, environmental perception and "Internet +". The extension management controller is required.

Specification

Model	TS-9210P
Network interface	Standard Rj45
Internet speed	100Mbps
Video input interface	3*HDMI, HDMI1.4 standard
Video output interface	2*HDMI, HDMI1.4 standard
HDCP protocol	Support
Resolution	3840×2160P30, 1920×1080P60
EDID	2
Audio input	1 set of RCA, 1*MIC, 1*2.4G wireless receiver, network broadcast decoding module, 3*HDMI
Audio output	1 set of RCA, 2*HDMI
Amplifier output	2*45W (MAX), constant resistance 8Ω
LINE IN frequency response	80Hz-16kHz (±0.5db)
MIC IN frequency response	200Hz-10kHz (±0.5db)
LINE IN sensitivity	775±40mV
MIC IN sensitivity	10±1mV
LINE OUT harmonic distortion	<0.1%
SPK OUT harmonic distortion	<1%
SNR	>80dB(A)
RS-232 port	2
RS-485 port	2
I/O port	2
IR sending port	2
Weak relay port	2
Power output	1, ~220V 50Hz (400W MAX)
Motorized curtain control interface	1, ~220V 50Hz (100W)
Wiegand protocol interface	1
PC type	Plug-in Intel Core series modular computer
PC configuration	I5/I7 (optional)
Total power consumption	600W (MAX)
Working temperature	-10℃~+45℃
Relative humidity	20%~80%, no condensation
Dimension (L×D×H)	484×303×88mm
Weight	5.2kg