



Controller

MCP-8100



Description:

It is specially suitable for schools, office buildings, conference centers, alarm centers, station lounges and other places required PA. Using network digital transmission, it can perform background music playback set in the system, schedule ring tasks, audio sources acquisition, and one-way calls.

Feature:

- * Industrial-grade cabinet-type chassis design. The chassis adopts steel structure with high anti-magnetic, dustproof and anti-shock capability.
- * 17.3-inch 1080P full HD display screen. Easy-to-use touch screen control.
- * Built-in industrial-grade pull-out keyboard, industrial-grade touch mouse panel, split-type left and right button design.
- * Industrial-grade dedicated motherboard design. The four-core four-thread embedded industrial-grade processor with ultra-low power has faster processing speed and stronger operating performance, so it can work stably without power for a long time.
- * Built-in large-capacity 256G SSD with anti-vibration, anti-drop, fast reading and writing, low power consumption, superior durability and reliability, no movable mechanical parts.
- * Built-in DVD drive supports MP3, WAV, WMA, FLAC, APE, AAC format audio playback files.
- * Dual Gigabit network interface can satisfy high-performance network data exchange and transmit hundreds of program sources at the same time.
- * Built-in 6 groups of industrial asynchronous transmission interface, built-in 4 groups of universal serial bus, the highest transmission rate is 480M.
- * Support dual graphics cards, and can be connected to the largest FullHD display device.
- * With short-circuit triggering start-up operation interface, which is used to remotely drive the start-up operation to realize unattended function.
- * Built-in key power switch to turn on/off the controller.
- * Built-in digital power amplifier, one built-in monitor speaker that can output 6W, to realize monitoring when the server initiates tasks. One external power output that can output 20W, to connect to external speakers for local amplification.
- * With one-channel short-circuit input trigger interface for triggering preset alarm tasks.
- * With a red one-button whole area emergency broadcast button on the front panel of the controller.
- * With a green one-button broadcast on the front panel of the controller, can adjust the volume control separately, and can broadcast and call to any zone.
- * With a PTT emergency broadcast microphone.
- * The controller has 20 AUX IN input interfaces and 12 MIC IN input interfaces, each with independent volume adjustment, and the input audio source can realize mixed sound collection input.
- * With 16-channel LINE OUT and external power amplifier.
- * With 12-channel digital audio input, which can be output to 12 different zones at the same time.
- * With 6 programmable intelligent power outputs, support setting of power sequence turn-on function, and unlimited effective time period.
- * With 4-channel three-wire sound control forced cut output interface, no need for forced cut power supply. At the same time, it is compatible with the four-wire fire protection forced cut, which requires external 24V forced cut power supply. Support to set unlimited effective time period, which is synchronized with the effective time period of the intelligent power output.
- * With NTP time synchronization server.
- * The server platform software supports LED information release function, digital clock and analog clock selection function, and selection of display font size, font adjustment, display lead-in and lead-out, stay mode, stay time, etc.
- * The controller comes with video playback function.

Specifications:

Screen size	17.3 inches
Screen color	TFT256 color, true color
Control method	1920 x 1080 resolution LCD ten-point capacitive touch
Working environment	Ambient temperature: 0 C ~ 60 C , humidity: 20% ~ 80% relative humidity, no condensation
Standard interface	1 x MS interface; 8x serial port; 1 x VGA; 1xHDMI; 1xDVI; 8xUSB; 1xLINE IN; 1xLINE OUT; 1xMIC IN
Hard disk	256G SSD solid state drive
RAM	Dual-channel 2*4G DDR3 (capacity will continue to increase due to continuous product upgrades)
Network card	Dual Gigabit network interface
CPU	Intel Core i5-6400 @ 2.70GHz Quad Core
System audio signal SNR	LINE: 70dB; MIC: 60dB
System audio signal distortion	1kHz<0.5%
System audio signal standard input level	AUXIN: 300mV; MIC: 5mV
System audio signal standard output level	0dBV
Input power	~220V 50Hz
Software operating platform	Windows Server 2008 R2
Terminal support protocol	TCP/IP, UDP
Terminal audio format	MP3, PCM
Terminal sampling rate	8kHz~48kHz
Terminal transmission rate	100Mbps
Terminal audio transmission quality	16-bit CD quality
Terminal AUX IN input LINE OUT frequency	80Hz~16kHz +1/-3dB
Terminal output power	Built-in 6W; External 20W
Terminal output frequency	80Hz~16kHz +1/-3dB
Terminal MIC input LINE OUT frequency	200Hz~10kHz +1/-3dB
Terminal LINE OUT THD	≤0.01%
Terminal MIC input LINE OUT THD	≤0.03%
Terminal THD	≤1%
Terminal SNR	>68dB
Terminal LINE OUT output	1000mV RCA socket
Terminal AUXIN input sensitivity	350mV (unbalanced) RCA socket
Terminal MIC input sensitivity	5mV single-ended 6.35 socket
Terminal intelligent input power supply	~190V-240V 50Hz-60Hz
Terminal intelligent power output	~190V-240V Single channel power less than 500W, total power less than 1500W
Size (W*H*D)	484 * 502.4 * 386.4(mm)
Gross weight	35.4kg