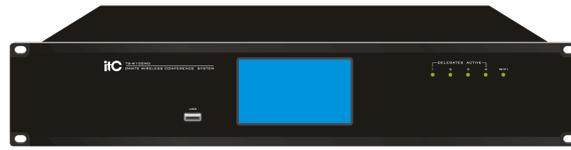# Conference System Controller

TS-W100MD

Description

*It adopts 5GHz communication frequency range, which has stronger anti-interference capability and provides bigger bandwidth and transmission speed. And it is free from the interference of mobile telephone and other bluetooth equipment to ensure the best signal reception. It is widely used in round & square table conference room, multi-function hall, banquet hall, reporting hall, etc.

Feature

*It adopts 128 AES encryption technology, supporting WPA/WPA2 wireless security technology to avoid any eavesdropping and unauthorized access, providing conference system with higher confidentiality.

*It is built-in high-performance dual CPU processor with super strong processing capacity. The core has a 96 -bit and 50MIPS digital audio DSP processor. Stereo audio ADC and DAC, supports sample rates from 8KHz to 96KHz and digital volume control. Output audio volume is adjustable, supports equalization and noise cancellation algorithms. It provides a better sound quality experience.

*It adopts original digital processing and transmission technology, 20Hz~20KHz bandwidth non-compressing audio transmission, adopting Cat-5 shielded cable to ensure long distance transmission and to provide perfect sound quality. With WIFI network interface, it can connect with POE network switch to enlarge WIFI AP qty and to provide huger WIFI coverage area.

*Supporting simultaneous use of WiFi conference systems and full-digital conference systems with large system capacity. With 4-way conference unit output interface. One conference controller can support 128 microphones, with extension unit TS-0200ME(It can also support 128 microphones per unit), the system can support up to 4096 microphones, among which maximum 300 wireless units from WIFI conference system. You can turn on maximum 8 wired microphones and 6 wireless microphones at the same time.

*Support simultaneous interpretation function, factory default 15+1 wired simultaneous interpretation configuration. But it can max supports 63+1 simultaneous simultaneous interpretation. If you need 63+1 configuration,please tell us.

*Four microphone management modes: FIFO/NORMAL/ VOICE/APPLY.

*It has 1 way RS-485 interface,can realize tracking function by connecting one camera, and supports PELCO-D and VISCA control protocols. It can also achieve multi-channel video automatic tracking function with camera tracking host.

*It has 1 way fire alarm linkage trigger interface, which can provide fire alarm information for the conference host panel touch screen, unit machine screen and PC

software under fire emergency.

*It has 1 way balanced signal and 1 way unbalanced signal input interface, 1 way balanced signal and 1 way unbalanced signal output interface.And adopts 3-pin XLR balanced audio line to improve the anti-interference ability of the system.

*It has 1 way EXTENSION port that can be used to connect to an expansion host.

*Supports connection to the central control system host or camera tracking host through the RS-232 serial port (COM interface) to realize the linkage of the microphone button commands.

*It has 1 way USB interface, supports the recording function by USB and the playback of backstage music.

*There is two power amplifier output interface and can be connected to 2×25W constant resistance speaker.

*The PC software can check the battery power status of the wireless unit, WiFi signal etc. It supports one button to shut down all wireless unit and Chinese/English language switching in interface.

*Supporting voting function, data update in real-time and display in the backstage, optionally display the results in text, histogram, pie chart mode and show the voting result in projection.

*Supporting meeting sign-in,button check-in, IC card check-in etc.It can be set the time limit for sign-in, support supplementary sign-in, remote control check-in, display the check-in result in real time in the backstage and projection.

*Supporting the export of meeting information, including sign-in information, voting information, personnel information, meeting report and other exportable forms.

*Supporting 5-band EQ adjustment function, which can adjust sound effects according to the speaker's sound characteristics.

*The background software can send a short message to the unit display to remind the unit user.

*The background software can receive the tea application request from the unit machine

*Supporting speaking control of microphone unit, including speech time and timed speech.

*It has 1 way DANTE network audio interface and supports DANTE network transmission protocol.

*With dual-system hot backup function.One controller will be used as the conference host and the other as the backup host, both connected to the system, When the working host fails, the backup host will be automatically enabled to ensure the meeting continues smoothly.

Model	TS-W100MD
Microphone Capacity	300 units for wireless units and 128 units for wired units
Number of Channels	16CH(default)、32CH、64CH
Frequency Response	20Hz~20KHz
SNR	>85dB(A)
Dynamic Range	>80dB
Total Harmonic Distortion	<0.05%
Main Power	90~132VAC/180~264VACbyswitch
Audio Input	LINE IN1:350m balance; LINE IN2:350mV Unbalance
Audio Output	LINE OUT1:1V balance; LINE OUT2:1V Unbalance
Output Load	>1KΩ
Network Port	Connecting to computer
Interface	1×RJ45
Interface	Recording/playback
Amplifier Output	2×25W/4Ω
Static Power Consumption	30W
Output Power Consumption	320W
Connection Method	Special cable (6 core)
Joint Reliability	Reliable
Standard	IEC60914, Compatible with GBT15381-94 standard
Working Temperature	-10℃~+60℃
Working Humidity	20%~80% Relative humidity, no condensation
Touch Screen Control	4.3 inch TFT touch colorful screen
Color	Black
Weight	About 3Kg
Dimension（L*W*H）	484*305*88mm
Installation Method	19-inch standard cabinet