



# Conference System Server TS-0300MS

## Embedded software: Full digital conference system V4.41



### Feature

1. Adopt original clock synchronization and transmission technology; 48K sampling rate lossless compressed audio transmission.
2. Built-in high-performance DSP processor with EQ, volume, delay and other adjustment functions.
3. Support control of audio parameters (including EQ, volume, delay, microphone sensitivity, etc.) through the WEB end, microphone status synchronization, four language switching of Chinese, English, Russian and French, and control role separation host.
4. Support 300 wireless conference units to access management and use at the same time, participate in meeting agenda (sign-in, voting, service, etc.) and speech control.
5. The rear panel has 1 boat switch, 4 RJ45 (1 POE power supply interface), 1 RS485, 2 RS232, 1 short-circuit trigger switch, 1 TYPE-C interface, 1 DIP switch, 2-way XLR output interface and 4-way RCA output interface; the front panel has 1 2.2-inch TFT-LCD liquid crystal display, 1 encoding knob, 4 status indicators (including 2 WiFi signal indicators, 1 host working status indicator, 1 power indicator).
6. The WEB management terminal has the function of switching personalized theme styles, which can switch four major styles. You can choose simple theme, government theme, fashion theme, and vitality theme. Different themes provide different UI interface background colors.
7. Ultra-large data processing capabilities: The system supports 8 wireless conference units to speak at the same time; it has the function of customizing the number of conference unit speakers, and the number of conference unit speakers can be set to any number between 1 and 8.
8. It has C/S and B/S architecture management software, and 8 operating systems that can run on both client and WEB software, including Windows7/10/11, Galaxy Kylin Desktop Operating System (Zhaoxin Edition), Galaxy Kylin Desktop Operating System (Feitian Edition), macOS System, Tongxin UOS, and Ubuntu Desktop Operating System.
9. The conference host software is integrated into the conference audio comprehensive management platform to achieve unified management of audio equipment. The platform can scan the online status of digital conference hosts, audio processors, mixers, suppressors, and amplifiers. Multiple online devices of the same product can also be scanned, and the device hardware name, hardware IP address, online and offline status information are displayed; it has the function of uploading configuration information to the cloud or saving it locally for backup and restoring configuration information with one click.
10. The conference host control panel supports arbitrary switching display in Chinese, English, Russian, and French.
11. The PC software can view the battery power, WiFi signal strength and other information status of online wireless units, and supports one-click shutdown of all wireless units.
12. It has a WIFI network interface (with POE function), which can be directly connected to the wireless AP, or the number of wireless APs can be expanded by connecting to a network switch to provide a larger wireless coverage.
13. It has a fire alarm linkage trigger interface to provide fire alarm information, remind the venue personnel to evacuate urgently in the first time, and ensure the safety of the participants.
14. It has a 1-way RS-485 interface, which supports up to 5 cameras for camera tracking, and supports PELCO-D and VISCA control protocols. Cooperate with the camera tracking host to achieve multi-channel video camera tracking function.
15. Support four microphone management modes: FIFO (first in, first out), NORMAL (normal mode), VOICE (voice control mode), APPLY (application mode).
16. The system has conference sign-in, voting, election, rating, satisfaction, customization and other functions.
17. It has a 2.2-inch TFT-LCD liquid crystal display screen, which can realize parameter setting or viewing.
18. Powerful ID function, which can be used to ID wireless units and role separation hosts.
19. Support 10-band EQ adjustment function, and both LINEOUT output channels have 10-band EQ adjustment function.
20. Support AP channel scanning, monitor the use of wireless channels on site, support automatic or manual configuration of the best channel, support AP online display list for easy management.
21. Support docking with voice transcription server to realize voice transcription function.
22. The conference host has the function of setting the host or slave. When the host fails, it can automatically switch to the slave to realize the dual backup function.
23. Support remote firmware upgrade through the web terminal.



### Specification

Microphone capacity	Wireless microphones≤300
Frequency response	20Hz ~ 20KHz
SNR	>85dB(A)
Dynamic range	>80dB(A)
THD	<0.05%
Main power	100-240AC/50-60Hz
Audio output	LINE OUT 1: 1Vrms XLR balanced output; LINE OUT 2: 1Vrms lotus unbalanced output
Audio input	LINE IN 1: 775mVrms XLR balanced input; LINE IN 2: 775mVrms lotus unbalanced input
EXTENSION port	1 channel, connected to conference system expansion equipment
WIFI network port	2 for connect to wireless AP
PC network port	1 for connect to the computer
RS-232 interface	2 channels, 1 channel for camera tracking, 1 channel for docking external equipment
RS-485 interface	1 for camera tracking
Balanced input impedance	>10KΩ
Balanced output impedance	470Ω
Unbalanced input impedance	>5KΩ
Unbalanced output impedance	470Ω
Static power consumption	7.1W
Output power consumption	≤30W
Display	2.2-inch TFT-LCD display, resolution 240*320 pixels
Operating temperature	-10°C~+60°C
Working humidity	20%~80% relative humidity, no condensation
Colour	Black
Net weight	3.2Kg
Dimension	484×258×44mm
Installation method	19-inch standard cabinet