

AWD-TS350 Series

Wireless Conference System.



AIRCOM
Communication Expert...

Product Datasheet
aircomdigital.com

New Generation Full Digital Network Conference System with High Tech in unique Sound Processing

AWD-TS350 series 5GHz Wi-Fi Wireless Conference System

Compact yet versatile design

We are well aware that the main body of the meeting is the participants, so the product design reflects the elegant, yet compact and easy to use features. Common CAT5e connection ensures fast and easy to build any sized meeting occasions, conference unit features a graphical interface operating area, including lighting reminder, anyone can get started quickly. Easy to install, user-friendly to use, and is designed to ensure higher productive meetings.

Excellent sound performance

Advanced voice processing technology, with the unique design of the microphone, this unit can be accurately pick up and restore the human voice through a high-quality built-in speakers or an external PA system, original AUDIO-LINK digital ring network technology.

High tech intelligence platform

Timing function, overtime reminder, voting results multi-platform synchronization, network control and meeting management, conference Smart reservation, worldwide firmware real-time updates, the integration of IT technologies ensures smart conferencing platform, the AWD-TS350 series is one of them.

Complete easy-handling management

The Central Unit is the center of the system – Provide power to the whole discussion units, control the camera and link to other third-party devices. The 1U compact design is easily to put anywhere while keep a low profile in meeting room.

Simple control with convenient recording

We try to use less buttons to simplify the operation, and a LCD screen helps you monitor real-time action obviously. The USB slot enable it record every important meeting discussion, to file up every contents simply



Features

- Intuitive function button design, no training required, easy to use.
- The unique AUDIO_LINK digital ring network technology achieve full-digital transmission and processing.
- High-fidelity sound quality by lossless audio transmission technology, 48K audio sampling rate and 20Hz~20KHz frequency response.
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units.
- USB recording, advanced noise cancellation technology to realize clear recording.

Functions

- USB recording, advanced noise cancellation technology to realize clear recording.
- With AC-EXU digital power box, it can expand to 5200 discussion units.
- "Hand-in-Hand-Loop-Network" connection and the system automatically assigned to each unit independently ID to avoid duplicate ID conflict.
- 2 channel audio input, XLR or RCA connector, for local input or remote video-conferencing input.
- MAX 3 channel audio output, XLR, RCA or Phoenix connector.
- Adding the audio input box, this system can be used with condenser microphones or dynamic microphones.
- TCP/IP connection between controller and PC.
- RS485 or RS232 to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Hot-swap for any system unit, and the controller has auto-recovery function
- Wide range of voltage from 100V~240V AC.
- Without using PC software, our conference controller still owns following settings:
 - Limit on the number of speaking persons: By Setting the number of active delegate units at the sametime(Number is 1/2/4/6 units)
 - Discussion modes:
 - "OPEN" Free for all, "APPLY" To apply then to speak, "VOICE" voice activate the mic, "OVERRIDE" First in First out.
 - Controlling through RS232 to realize MIC ON/OFF, Priority, Volume adjustment.
 - Chairman unit has priority to close all other units or mute them temporarily
 - Chairman unit can consent the request for speaking from delegate

Technical Parameters

Power100V / 240V AC@50/60Hz

Static power consumption12W

Maximum power consumption..... 150W

Unit power supply. . . . POE48VDC

RS-232 control. . . . 1x9 pin sub female socket 1x9 pin sub-D male socket

Ethernet control. . . . RJ45 connect computer control

Frequency Response20Hz ~ 20KHz

THD.....<0.05%

Channel Crosstalk> 85dB

Noise ratio (S / N)> 96KG

Dynamic Range> 94dB

Installation parameters

Dimensions (mm)..... 483L x 260W x43.6H

Weight....3kg

Color.....Black



Delegate Unit
AWD-T352D

Features

- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing.
- Stylish, low profile design with touchable interface.
- Compliance with IEC 60914, GBT 15381-94.
- Standard CAT5e and RJ45 connectors are used in CLEACON series to provide more convenient on project and maintenance.
- The cable connection of MIC units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation.
- Compliance with IEC 60914, GBT 15381-94.
- Head-set interface in both sides with volume adjust.
- Line-in interface which allows microphone or other line-in device like cell phone, laptop to pass audio through to perform teleconference.
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly and more reliable.

Functions

- Compliance with IEC 60914, GBT 15381-94.
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- Single CAT5e cable transmits 64 channels of audio and various information.
- High fidelity sound by zero loss audio transmit technology, 48K audio sampling frequency, 20Hz~20KHz response frequency.
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units.
- This system automatically assigned to each unit independently ID to avoid duplicate ID conflict.
- Limiter to prevent the sound suddenly become loud or low; noise gate of human voice can be identified; AGC(Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control)/Mix(Auto-Mix) technology.
- Hot-swap for any system unit, and the controller has auto-recovery function.



Chairman Unit
AWD-T351C

- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator.
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman unit.
- Built-in high-fidelity speakers, it automatically mutes to prevent howling when press MIC ONHead-set interface in both sides with volume adjust.
- Discussion modes:
- "OPEN" Free for all, limited by the active units setting by controller, "VOICE" Unit activated by voice, "OVERRIDE" First in First out, "PTT" Keep pressing button when speaking, "APPLY" To apply thento-speak,"ALL" Free to speak for all people.
- Work with our HD camera and video matrix switcher, it applies camera auto tracking function.

Control & Indicators

Electrical parameters

Maximum power consumption: 2.0W
Frequency response: 20Hz ~ 20kHz
Total harmonic distortion (THD) <0.1%
Dynamic range> 94dB
Signal-to-noise ratio (S / N)> 96dB
Headphone load impedance> 16Ω <1kΩ
Headphone output power 25mW
Rated microphone input> 70dB SPL
Maximum microphone input> 100dB SPL
Speaker rated output> 70dB SPL at 0.5m
Sensitivity- 46 dBV / Pa

Mechanical parameter

Connection method CAT5 / CAT6 cable + snap
Buttons Stroke button
Main material: Aluminum alloy, ABS
Color: Black
Weight 0.9kg
Dimensions (mm) 140 width × 120 depth × 33 height



Features

- Expense four chains
- No fan and noiseless design
- Compact profile

Functions

- To achieve loop wired architecture with star wired benefits.
- Get 4 CU/DU channels.
- Work with no noise power supply to achieve "No fan, Noiseless" power enhancing.
- The distance between VIS-EXM extension main unit up to 100m

Control & Indicators

- Power indicator
- Loop through chains indicators
- Repeated chains indicators
- Grounded or Floating switch

Interfaces

- Self-locking DC connector
- 4 x RJ45 loop ports or Microphone ports
- 2x RJ45 Loop through chains

Technical Parameters

- Power: 3A 48VDC
- Dimension:223x37x92mm (W x H x D)
- Weigth:0.5KG

Application Diagram

