

Fully Digital Conference System Controller

Main Controller

Model: CLA-CON10CU-PLUS



SUMMARY

The Fully Digital Conference Control Host is a powerful, scalable solution for modern conferencing environments. It features a high-speed embedded processor, intuitive touchscreen interface, and supports up to 76,800 units with flexible connection options. With advanced audio processing, and enabling features like multilingual interpretation, intelligent identity management, camera tracking, electronic voting, and real-time monitoring, it delivers seamless control and rich functionality. Built for reliability, it includes dual-host backup, hot-plugging, automatic fault recovery, and web-based management—making it ideal for high-performance, multilingual, and mission-critical meetings.

FEATURES

❖ Advanced Digital Technology

Built on DSP/DDOV digital processing and transmission, fully compliant with IEC60065 international standards.

❖ Premium Design

Rugged aluminum alloy panel with Mohs hardness with a 4.5" TFT full-fit touchscreen, delivering a sleek look and effortless operation.

❖ High-Speed Performance

Powered by a 1.4GHz industrial-grade embedded processor with 1GB memory for faster, smoother system response.

❖ Massive Scalability

Supports up to 240 units per host interface and a total system capacity of 76,800 units, with flexible connection methods

including ring, one-line, junction box, and T-type through supported accessories.

❖ Flexible Conference Modes

Eight intelligent modes—FIFO, LIFO, quantity limit, chairman permission, voice activation, timed speech, queuing, and free discussion—adapt to any meeting style.

❖ Unlimited Leadership Control

Configurable speaker limits (1–20), with no restrictions for chairman or VIP units, ensuring smooth discussions.

❖ Crystal-Clear Audio

High-fidelity, lossless transmission with 48KHz sampling, 20Hz–20KHz frequency response, and Digital processing modules for feedback suppression, equalization, and automatic gain.

❖ Smart System Functions

Built-in internal communication, service request handling, perpetual calendar with speech timing, automatic detection of units, and unique ID addressing to prevent conflicts.

❖ Reliability & Redundancy

Dual-host hot backup, hot-plugging with automatic fault repair, and rapid system recovery ensure uninterrupted operation.

❖ Camera Integration

Supports PELCO-D/P, SONY, SAMSUNG, etc and other protocols with tracking, preset positions, RS-232/RS-485 control, and HDMI/SDI matrix switching for up to 4 HD cameras.

❖ Comprehensive Connectivity

Multiple audio outputs (XLR, TRS, Lotus), auxiliary inputs for alarms, remote conferencing, and background music.

❖ **User-Friendly Operation**

One-key factory reset, multilingual, and browser-based control without software installation.

❖ **Adaptable Venue Support**

Conference room merging/splitting functions for versatile

applications, backed by a universal AC100V~240V stabilized power supply for safe, global use.

❖ **Recording & Archiving**

U disk/SD card module supports up to 2000 hours of continuous recording, with optical fiber extension for long-distance conferencing without audio loss.

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SPECIFICATIONS

Model No.	CLA-CON10CU-PLUS
Power supply	AC100~240V 50/60Hz
Frequency response	20Hz-20kHz
S/N ratio	>96dBA
T.H.D	<0.05%
Recording connector	USB x1
Input connector	DIN-8 x4 RJ45 x4 (group)
Central controller connector	RS-232 (3P connector x 1)
Camera switch connector	RS-232 (3P connector x 1)
Video connector (Optional)	HDMI 4x1 (Optional)
Camera control connector	6P connector x1
Computer connecting	USB x1 & RJ45 x1
Alarm interface	2P connector x 2 (5V+Audio)
Audio input	2P connector (unbal) x1 RCA (unbal) x1
Audio output	3P connector (bal) x1 2P connector (unbal) x2 XLR (bal) x1 6.35mm (unbal) x1 RCA (unbal) x1 Coaxial x1 Optical Fiber x1
Sound card	USB x1

	RCA (unbal) x2
Size (L×W×H)	483×265×88 mm
Weight	4.5 kg
Color	Black
Installation	19Inch standard cabinet

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DIMENSIONS (mm)

