*Xtra*ASK 500

Digital Conference System

Features:

- XtraASK 500 is a Digital Conference System consist of Digital Controller with Delegate & Chairman flush type on table terminals, Digital Connector for discreet installation & Power Hub for distributing audio & control signal over category cables.

- First Digital Conference System to support the application of splitting and merging of the conference & training rooms, with 4 channels of audio grouping output, can be split into an independent system using in multiple rooms, or can be used at the same time as one large system, which is convenient and flexible.

- Multiple backup mechanisms ensure the safe, stable and reliable operation of the system, and ensure that the meeting goes on smoothly without being interrupted, satisfying the stringent requirements of high-end meetings for equipment

- Support dual-server hot stand-by function. When the current server goes down, it can automatically switch to the stand-by server.

- Support dual-server hot stand-by function of the management software. When the current computer doesn't work, it will automatically switch to the stand-by computer

- The wired conference terminal supports star connection, hand-in-hand connection and mixed connection, and all devices are connected by digital network cables, which is convenient for construction and management.

Premium Digital Discussion Terminals
XtraASK 500 DCS-Q2057

XtraASK 500DCS-Q2057C
Digital Discussion Terminal (Chairman)

XtraASK 500 DCS-Q2057D
Digital Discussion Terminal (Delegate)

Basic Functions:

- In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

- The exquisite full-metal panel design is suitable for flush mounting installation on table, arm rest of chairs in auditoriums etc.

- Three-color LED to indicate the unit status (on or off)

- Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life

- With full digital audio technology, built-in high-speed CPU and high-performance DSP digital audio processor

- Congress terminal, power HUB and congress server are all connected by category cable. Flexible cabling reduces project workload, makes large-scale deployment easier

- It supports daisy-chain connection, star connection and mixed connection. The system is highly stable and reliable. The breakdown of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system work

- Automatic restoration function supports hot plug

- Supports 48kHz audio sample frequency, acoustic frequency response can up to 20Hz~20kHz

- AF sensitivity of each terminal can be adjusted separately or uniformly

- Built-in high-performance DSP digital audio processor, helps remove the useless low-frequency and avoid low-frequency acoustical shock, which better improve the sharpness of sound

- Standard electret cardioid pickup pattern microphone with lamp bezel (On or Off), rich timbre. Several kinds of soft gooseneck microphone stems for various conferences (standard: 410mm, optional: 310mm/510mm)

- Pluggable gooseneck microphone stem, convenient for equipment maintenance.

- Highly resistant to cell phone interference

- Loudspeaker: VOX, Auto, FIFO, Operator

- VOX function: in VOX mode, the unit will be activated for user speaks; VOX sensitivity can be adjusted by the server (high, middle, low); microphone time-out is adjustable (20-250 seconds)

- Video camera tracking by third party controllers (AMX/Crestron/Lightware)

The chairman terminal has functions below, besides all functions of delegate terminal:

- Chairman terminal can be activated at any time without presetting mic limit
- Chairman priority button to override all active delegate terminals

Digital Connector
XtraASK 500 DCS-CON2057

Basic Functions:

- In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

- Cooperate with basic discussion terminal, one connector could connect one discussion terminal, supply power for the discussion terminal

- Realize the communication between digital discussion terminal and the server

- Connector, digital discussion terminal, power HUB and congress server are all connected by cable. Flexible cabling reduces project workload, makes large-scale construction easier

- It supports daisy-chain connection, star connection and mixed connection. The system is highly stable and reliable. The breakdown of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system work

- Automatic restoration function supports hot plug

- When there is only digital discussion terminal, it requires the connectors; when the digital discussion, terminal is extended to another terminal, it do not require the connector

Technical Parameters

Product	XtraASK 500 Premium Discussion Terminal
Mounting	Desktop/seat armrest flush-mounting installation
Panel Dimension (L×W×H)	83×40×3.5mm
Product Dimension (L×W×H)	83×40×44mm
Color	Black
Status Indicator	LED Indicator
MIC — Acoustic Frequency Response	20Hz~20kHz
MIC — MIC Type	Heart pattern directional electret
MIC — MIC Stem Length	410mm (standard), 310mm/510mm (optional)
MIC — Sensitivity	-46 dBV/Pa
MIC — VOX Sensitivity	H/M/L(76dB/80dB/82dB)
MIC — Input Impedance	2KΩ
MIC — Directivity	0°/180°: >20 dB (1 kHz)
MIC — Equivalent Noise Level	20dBA(SPL)
MIC — Max SPL	125dB (THD<3%)
Interface	1× RJ45 Connector
Power	24V
Max Power Consumption	6.4W
Weight	0.16kg
Operating Temperature	0~45°C
Storage Temperature	-20~50°C

Congress Server
XtraASK 500 10000N

Basic Functions

♦ Black tempered glass panel design, with navigation knob, OLED screen to display system status information, and provide multiple language menus

♦ Developed based on LINUX OS platform, adopt full digital audio technology, support 48kHz audio sampling frequency, built-in DSP digital audio processor, support treble and bass adjustment

♦ Each terminal has unique unit ID; the congress system can assign unit ID to congress terminal automatically or manually

♦ It provides 4-channel wired conference terminal interface and supports hand-in-hand connection, star connection and mixed connection.

♦ Support dual-server hot stand-by function. When the current server doesn't work, it will automatically switch to the stand-by server

♦ Support dual-server hot stand-by function. When the current server doesn't work, it will automatically switch to the stand-by server

♦ Support the application of splitting and merging of the conference room, with 4 channels of audio grouping output, can be split into an independent system using in multiple meeting rooms, or can be used at the same time as the whole system, which is convenient and flexible

♦ Support separated adjustment of audio and sensitivity of the terminal; adjust the sound effect based on the on-site speaking situation.

Discussion function: support VOX, Auto, FIFO, Operator, Request and PTT
♦ VOX function: in VOX mode, the unit will be activated for user speaks; VOX sensitivity can be adjusted by the server; microphone time-out is adjustable

♦ Auto function: Only the number of microphones limited by the system can be activated. When the number of open microphones is greater than the system limit, press the speaking button, the microphone cannot be turned on, you need to turn off the microphones that have been turned on, and then the microphone can be turned on by pressing the button.

♦ FIFO function: When the number of open microphones is greater than the system limit, press the speak button to turn on and automatically turn off the earliest open microphone

♦ Operator function: When the number of open microphones is greater than the limit, press the speak button to enter the application waiting state. After the opened microphones are closed, the applied microphones will be opened automatically

♦ Request function: In Request, press the speak button and the microphone turns on and release the speech button and the microphone will be turned off

♦ PTT function: the delegate send request-to-speak by terminal and can speak upon chairman approval. The chairman terminal can be activated anytime without approval

♦ Support one-key shutdown by server, and all wireless congress terminals are off, which reduces workload greatly

♦ The advanced TCP / IP connection control mode is adopted between the congress server and the control computer, which can realize the control management, remote diagnosis and remote upgrade of the congress system

Technical Specifications

System　capacity	65025
Audio frequency	20Hz～20kHz
response	>96dBA
Signal-to-noise ratio	>85dB
Channel isolation	>94dB
Dynamic　Range	<0.05%
Total harmonic distortion	
Audio interface	1 balanced audio input (XLR), 1 balanced audio output (XLR), 2 unbalanced audio output (RCA),
Maximum audio output	4-channel grouped audio output (Phoenix) LINE OUT: +20 dBu unbalanced, BLANCE OUT: +20 dBu balanced MIXER OUT: +20 dBu balanced, AUDIO OUT 1～4: +20 dBu balanced
Output　impedance	>1kΩ
Central　control　method	RS-232
PC communication method	TCP/IP
Camera　control　method	RS-485
Wired congress terminal	RJ45×4, adopt own power supply protocol
interface Network	RJ45×2, support standard POE power
Interface Recording	supply USB (U disk format: FAT32)
interface Recording　file　size	0.8M/min
Supported　cameras	8 (SD)
Video　input　interface	RCA×8(1Vp-p 75Ω) or SDI×4
Video　output　interface	（SD/HD/3G） RCA×4(1Vp-p 75Ω) or
Camera Tracking Protocol	SDI×1（SD/HD/3G） PELCO-P/PELCO-D/VISCA
Display	OLED (61mm×37mm)
Installation	Desktop or 19' cabinet installation
Power Supply consumption	AC100～240V， 50/60Hz
Dimensions (L×W×H)	483×437×90mm
Operating temperature	-0~45°C
Storage temperature	-20~50°C

Power Hub

XtraASK 500 HUB-P150S

Basic Functions

♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

♦ Based on digital control framework and high- speed CPU, the system has more stable performance and higher processing speed

♦ Developed on Linux-based OS platform, the server has robust stability and thus applies to large-sized convention centers with strict running conditions

♦ Power Status Indicator, support detection for voltage, current, temperature, overload, overheat

♦ Distributed management function, controlled by the server automatically, the operation data is uploaded by network

♦ Adopt distributed power supply management, single power HUB can connect to up to 65 terminals (turn off built-in speaker) or 5 desktop paperless all-in-one terminals (according to terminal model and the length of cable); it can form a super-large system with 65,025 terminals, by adding power hubs and servers. Power HUB are controlled and managed by the server

♦ All the equipment is connected by cable. Flexible cabling reduces project workload, makes large-scale construction easier

♦ It supports daisy-chain connection, star connection and mixed connection. The system is highly stable and reliable. The breakdown of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system work.

♦ Automatic restoration function supports hot plug.

♦ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment.

♦ Built-in congress terminal auto-detect mechanism

♦ Real-time monitor for system operation, to find out system error in time

♦ Co-work with congress server to expand congress terminal connection and designed to meet the power requirement for larger congress system.

♦ 5 terminal connection ports and 2 extended connection ports for HUB

♦ Synchronously start up and shut down with server

♦ More functions when cooperates with system control software

Technical Parameters

System Capacity	65,025
Standard Capacity	65 Terminals (turn off built-in speaker)/25 Terminals(turn on built-in speaker)
Status indication	AC 100~240V,50/60Hz
Power	150W
Max Power Consumption	150W
Operating Temperature	0~45°C
Storage Temperature	-20~50°C
Dimensions(L×W×H)	238mm×165mm×45mm
Installation	Hidden installation or cabinet installation,
Weight	2kg

Our endeavors are all about making your
organization nimble **& agile**!

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