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TESIRA

Product	Function
Tesira SERVER (3) DSP-2 DSP cards, (1) AVB-1 AVB card (1) SCM-1 CobraNet card	Provides DSP power for all meeting rooms, along with audio processing for mixing, equalization, filtering and a host of other features.
EX-MOD Expanders (1) EEC-4 4 input with AEC card (1) EOC-4 4-output card	A modular unit that offers flexible I/O in each of the two meeting rooms
EX-AEC Expanders	Provides 4 inputs with AEC for each of the smaller meeting rooms.
EX-OUT Expanders	Provides 4 outputs for each of the smaller meeting rooms
Tesira SERVER-IO (1) AVB-1 AVB card, (1) SCM-1 CobraNet card: (1) SVC-2 VoIP card for streaming conference calls over AVB network (4) SIC-4: input cards for ballrooms (4) SOC-4: output cards for ballrooms	Supplies DSP to the exhibit halls and ballrooms with a combination of server cards and expanders. SERVER-IO with both AVB and CobraNet. Facilitates cross-platform communication between Tesira and Vocia.
EX-IN Expanders	Supplies inputs to each exhibit hall, and can be used exclusively within each hall or combined to cover all three halls.
TEC-1 controllers	Remote interface for the Tesira platform that controls background music and volume control.
EX-IN Expander	This expander in the Security Office allows the input of background music across the entire Tesira network
TesiraFORTÉ AVB VT	Provides dedicated DSP with VoIP and POTS to the Executive Boardroom with 12 inputs, 8 outputs. USB audio allows soft codec integration.

VOCIA

Product	Function
VA-8600 Amplifiers	Provides networked amplification across the Tesira and Vocia platforms.
VA-2060 Amplifier	Provides amplification to the executive boardroom.
DS-10 Paging Stations	Desktop paging stations with embedded DSP and local storage.
EWS-10 Emergency Paging Station	Approved for critical paging, with programmable push-to-talk status indication, up to 999 user-configurable codes, and embedded DSP.
MS-1e Messaging Processor	Offers multiple paging options, including a VoIP paging interface, message playback, and event scheduling.
LSI-16 Interface Device	Connects the Vocia system to emergency/fire alarm systems.
CI-1 Device	Allows the LSI-16 to interface with emergency/fire alarm systems.
ELD-1 Devices	Monitors and reports speaker line integrity back to the system. If one speaker fails, the system creates an alert.
ANC-1 Devices	Automatically adjusts the page volume based on the ambient noise levels.

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SYSTEM DESIGN GUIDE
CONVENTION HALL
Tesira and Vocia

In modern facilities, networks are prevalent. Everything from VoIP to security monitoring runs over Ethernet; audio is no exception. In a large facility like a Convention Hall, a Networked Media System is imperative. The concept of a Networked Media System is simple. It's any audio and/or video equipment that communicates via the facility's Ethernet network. Networked Media Systems are a natural evolution away from isolated systems, and are designed to maximize resources across the network while simplifying system administration. In large facilities like a Convention Hall, Networked Media Systems can run multiple solutions simultaneously, keeping pace with rigorous event schedules and a constantly changing environment.

SYSTEM DESIGN GUIDE
CONVENTION HALL

Made possible by Audio Video Bridging (AVB), Tesira is your hub for all conferencing, sound reinforcement and general audio needs for the entire Convention Hall. Tesira manages the audio systems in the exhibit halls and ballrooms. Tesira also facilitates cross-platform communication with Vocia. Vocia serves as the hub for all paging and emergency system support needs. Paging or mass notification is required for most public buildings, and Convention Halls are no exception. Integrating paging with ambient noise compensation allows the paging volume to adjust automatically to the space's ambient volume, thus ensuring pages are audible and intelligible, which is crucial in times of emergency.

In this Convention Hall scenario, modular spaces like ballrooms and exhibit halls support a variety of activities and gatherings. Tesira and Vocia work in tandem to provide unmatched networked audio while leveraging hardware across platforms. The system is expandable, with easy upgrades and hardware replacements that don't compromise functionality.
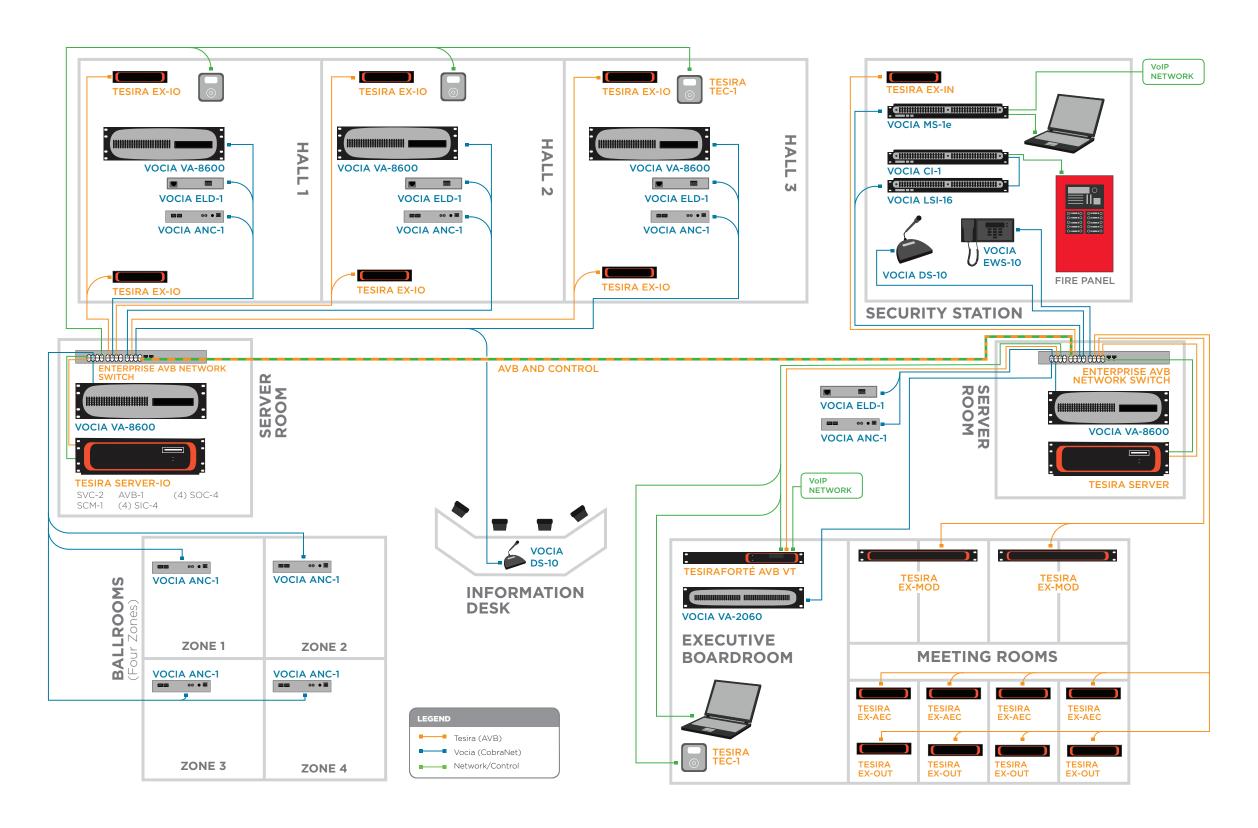
TESIRA FEATURES
– Audio routing across the entire facility/network
– Room combining
– Acoustic Echo Cancellation (AEC) at the end-points
– Supports multiple transport protocols (AVB, CobraNet˚, Dante™)

VOCIA FEATURES
– Standard paging and critical paging in one platform
– Decentralized networking
– Loudspeaker monitoring (impedance/end-of-line)
– Redundancy

LEGEND
- Tesira (AVB)
- Vocia (CobraNet)
- Network/Control

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