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.
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™)
- Cross-platform communication

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

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