

TESIRA

Product	Function
Tesira SERVER-IO (1) AVB-1 card, (1) DAN-1 card (1) SCM-1 card, (1) SIC-4 card	Provides DSP power and audio processing to all the conference rooms, and the bridge to CobraNet and Dante audio streams. Also provides the input for background music across the corporate campus.
EX-AEC Expanders	Four inputs with AEC for each of the conference rooms.
TesiraFORTÉ AVB VT	Provides dedicated DSP with VoIP to the executive boardroom, and the ability to use USB Audio via a computer, allowing soft codec integration.
TEC-1 Controller	A remote interface for the Tesira platform that controls background music and volume control in the cafeteria.

VOCIA

Product	Function
VA-4030 Amplifiers	Provides network amplification across the Tesira and Vocia platforms.
VA-8600 Amplifier	Provides amplification to the auditorium.
MS-1e Messaging Processor	Offers multiple paging options, including a VoIP paging interface, message playback, and event scheduling.
DS-4 Paging Stations	Desktop paging station with embedded DSP.
ANC-1 Device	Automatically adjusts the page volume based on the ambient noise levels.
EWS-10 Emergency Paging System	Approved for critical paging, with programmable push-to-talk status indication, up to 999 user-configurable codes, and embedded DSP.
LSI-16 Interface Device	Connects the Vocia system to emergency/fire alarm systems.
CI-1	Allows the LSI-16 to interface with emergency/fire alarm systems.

TESDG-329-1707-EN-R1



SYSTEM DESIGN GUIDE

ENTERPRISE CORPORATE CAMPUS

Tesira®, Vocia®, and Dante™

Corporate campuses across the globe have audio needs. Choosing the right technology is key to allow growth and change in the ever-evolving world of corporate business. Biamp® offers a wide range of solutions for audio conferencing and critical paging, and even support for auditorium sound reinforcement. In large properties like a corporate campus, a Networked Media System can run multiple solutions simultaneously, keeping pace with rapidly changing business needs. Networked Media Systems are designed to maximize resources across the network while simplifying system administration.

In this corporate campus scenario, meeting rooms and open gathering spaces require different audio capabilities. 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.

SYSTEM DESIGN GUIDE

ENTERPRISE CORPORATE CAMPUS

Biamp's Tesira and Vocola devices work together to provide an exceptional audio system design that can perform a number of critical functions, from normal business operations such as meetings, conference calls, and announcements to background music and emergency paging. Tesira manages the audio systems in the executive boardrooms and small meeting spaces, and also facilitates cross-platform communication with Vocola. Vocola is Life Safety and EN-54 certified, and serves as the hub for all paging and emergency system support needs. 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.

Tesira and Vocola are tightly integrated. Audio can be passed between the two systems, and they can also share hardware to reduce costs. Tesira SERVER-IO is the only audio device that can host and transport AVB, CobraNet®, and Dante from one chassis. This gives it exceptional flexibility for many applications, and helps reduce the cost of your networked audio installation.

TESIRA FEATURES

- Audio routing across the entire company campus/network
- Scalable DSP with the ability to support AVB, CobraNet, and Dante protocols
- Acoustic Echo Cancellation (AEC) at the end points
- Stream, manage, and control background music across the campus/network

VOCIA FEATURES

- Standard paging and critical paging in one platform
- Decentralized networking with no single point of failure
- Loudspeaker impedance monitoring
- Scalable to grow with a company's needs

