

TESIRA PRODUCTS

Product	Function
Tesira SERVER-IO (1) AVB-1 card, (1) SCM-1 card, (1) SIC-4 card, (2) SVC-2 cards	Provides DSP power and audio processing to the business center and the ballrooms. It also provides the input for all background music within the facility, as well as the bridge into Vocia via the CobraNet input card.
EX-AEC Expanders	Provides 4 inputs with AEC for each of the huddle rooms in the business center.
EX-IN Expanders	Provides 4 inputs for each of the ballrooms
EX-OUT Expanders	Provides 4 outputs for each of the ballrooms
TEC-1 Controller	Remote interface for the Tesira platform allows the kitchen staff to control background music and volume.

VOCIA PRODUCTS

Product	Function
VA-4030 Amplifiers	Provides network amplification to the huddle rooms and amplification to the loudspeakers in the parking garage.
VA-8600 Amplifier	Provides network amplification to the ballrooms and various zones in the facility.
DS-4 Paging Stations	Networked paging stations at valet desk, lobby desk, and security office allow valet to page to garage for car retrieval, and allow lobby desk and security office to page across the network.
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.
MS-1e Messaging Server	Offers multiple paging options, including a VoIP paging interface, message playback, and event scheduling.
LSI-16 Interface Device	Connects the Vicia system to emergency/fire alarm systems.
CI-1 Device	Allows the LSI-16 to interface with emergency/fire alarm systems.

TESDG-333-1507-EN-R1



SYSTEM DESIGN GUIDE

HOTEL/HOSPITALITY

Tesira® and Vicia®

From small chain establishments to major resort properties, hotels and hospitality facilities feature onsite lounges, restaurants, ballrooms, and other gathering spaces that require background music and other audio. In addition, hospitality properties must be able to communicate effectively with guests in the event of an emergency. Biamp offers numerous solutions for background music and ballroom sound reinforcement, as well as support for emergency communications. In large hotel structures and resort properties, a Networked Media System can run several solutions simultaneously, keeping pace with rapidly changing business needs and allowing the hotel or resort to accommodate different types of events, from conferences to large tour packages to weddings.

In this Hospitality scenario, common areas, meeting rooms, and designated employee zones require different audio capabilities. Tesira and Vicia 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. Networked Media Systems are designed to maximize resources across the network while simplifying system administration.

SYSTEM DESIGN GUIDE

HOSPITALITY

Biamp's Voca and Tesira devices work together to provide an exceptional audio system design that can perform a number of standard functions for day-to-day activities such as guest services, onsite events, and background music in dining areas and banquet kitchen. This system also supports emergency evacuation/notification paging throughout the main structure, as well as general paging to the adjacent valet parking garage when a guest's car is requested.

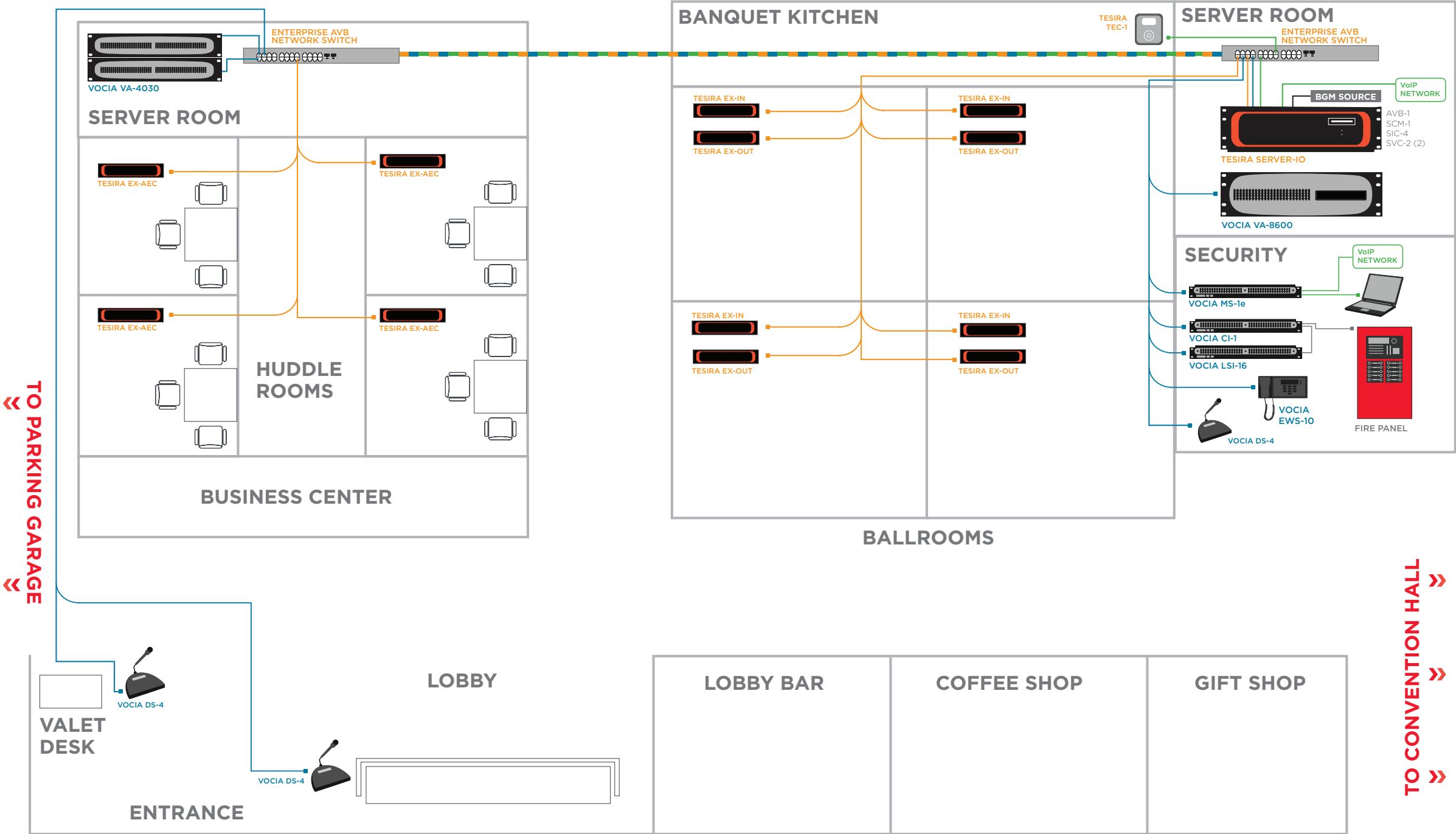
Tesira manages the audio systems in the ballrooms, dining facilities, lobby, and small meeting spaces, and also facilitates cross-platform communication with Voca. In addition, Tesira provides VoIP capabilities to the facility's huddle rooms. Because there is no single point of failure, the system shown in this scenario will continue to operate normally if one part of the system is damaged or destroyed. Voca is Life Safety and EN-54 certified, and serves as the hub for all paging and emergency system support needs.

TESIRA FEATURES

- Audio routing across the entire hospitality facility/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 in the lobby, dining rooms, and other common areas, as well as in designated staff-only zones such as prep kitchens

VOCIA FEATURES

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



LEGEND

Tesira/AVB

Voca/CobraNet

Network/Control