



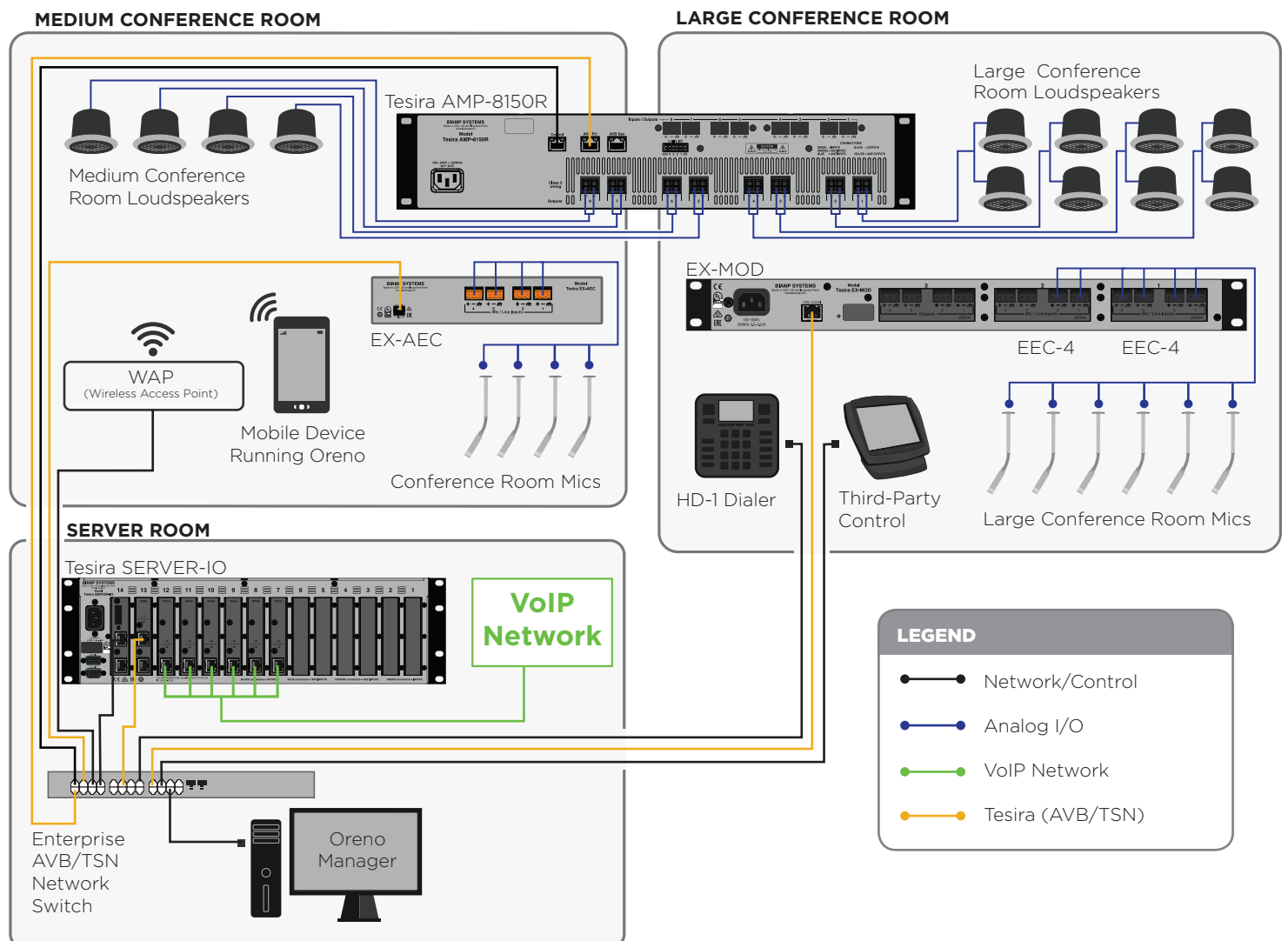
SYSTEM DESIGN GUIDE CORPORATE CAMPUS

TESIRA® SERVER-IO AND ORENO™ MOBILE CONTROL

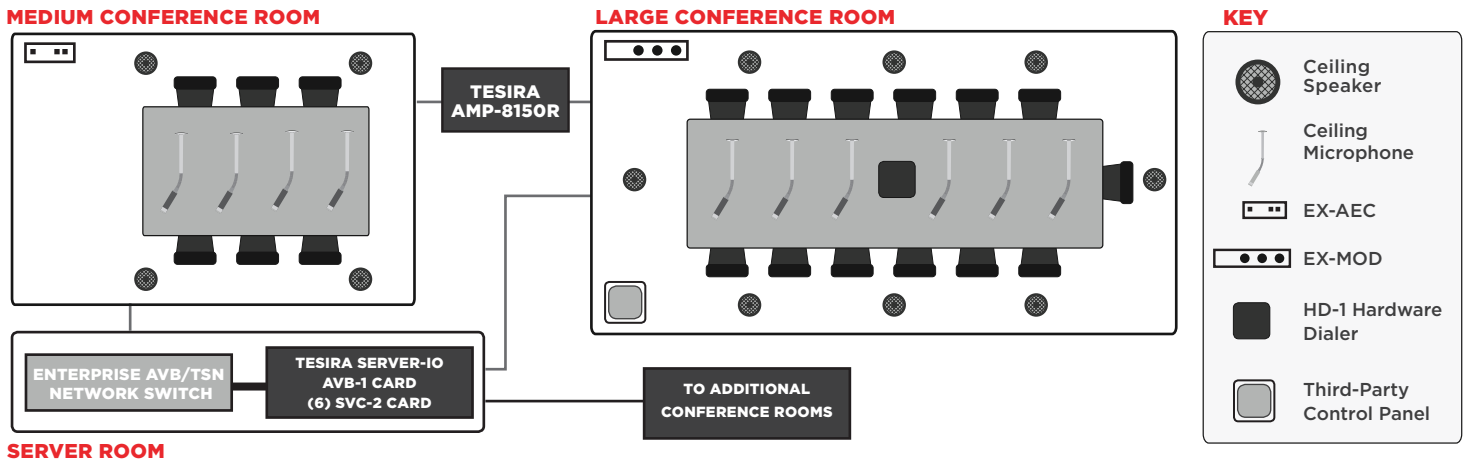


As the demand on audio systems increases, it's important to design a system that's flexible, scalable, and has the horsepower to make your audio sound great. A Tesira SERVER-IO solution is easily configurable, and allows you to leverage VoIP, while networking multiple rooms together over AVB/TSN. With Oreno mobile control, a person can run a meeting in a conference room using a browser window on his or her laptop or mobile device. In this scenario, the Tesira SERVER-IO supports 12 conference rooms in a corporate campus with VoIP and AVB/TSN networking.

HERE'S HOW THE TESIRA SERVER-IO AND ORENO SOFTWARE WORK IN THE MEDIUM AND LARGE CONFERENCE ROOMS.



CORPORATE CAMPUS FLOOR PLAN



EQUIPMENT LIST

Quantity	Product	Function
Server Room		
1	Tesira SERVER-IO (AVB-1 card, 6 x SVC-2 cards)	Enterprise-level DSP Server providing AVB networking interface card, and 6 SVC-2 VoIP cards giving VoIP capabilities to all 12 conference rooms. Fewer rooms would require fewer SVC-2 cards.
1	Enterprise AVB/TSN Network Switch	Provides IEEE standard audio networking to each room with low latency and guaranteed QoS.
1	Oreno OML5	Oreno Manager 5+ seat license.
1	Windows PC	Running Oreno Manager for the medium sized conference rooms.
Medium Conference Room (6 Rooms)		
1	EX-AEC expander	Provides 4 AEC inputs for the medium conference rooms.
4	CM1-6W ceiling microphones	Specifically designed for distance conferencing applications.
4	Ceiling-mounted loudspeakers	Provides sound reinforcement for distance conferencing and/or videoconferencing.
Large Conference Room (6 Rooms)		
1	EX-MOD (2 x EEC-4)	Provides inputs with AEC for large conference rooms.
1	HD-1 Dialer	Enables telephony control in the conference room
1	Third-party control panel	Gives control to all room functions in the large conference rooms.
6	CM1-6W ceiling microphones	Specifically designed for distance conferencing applications.
8	Ceiling-mounted loudspeakers	Provides sound reinforcement for distance conferencing and/or videoconferencing in conference rooms.
Amplification (Supporting 12 Conference Rooms)		
6	Tesira AMP-8150R Amplifiers	Each AMP-8150R provides shared amplification for two conference rooms.