



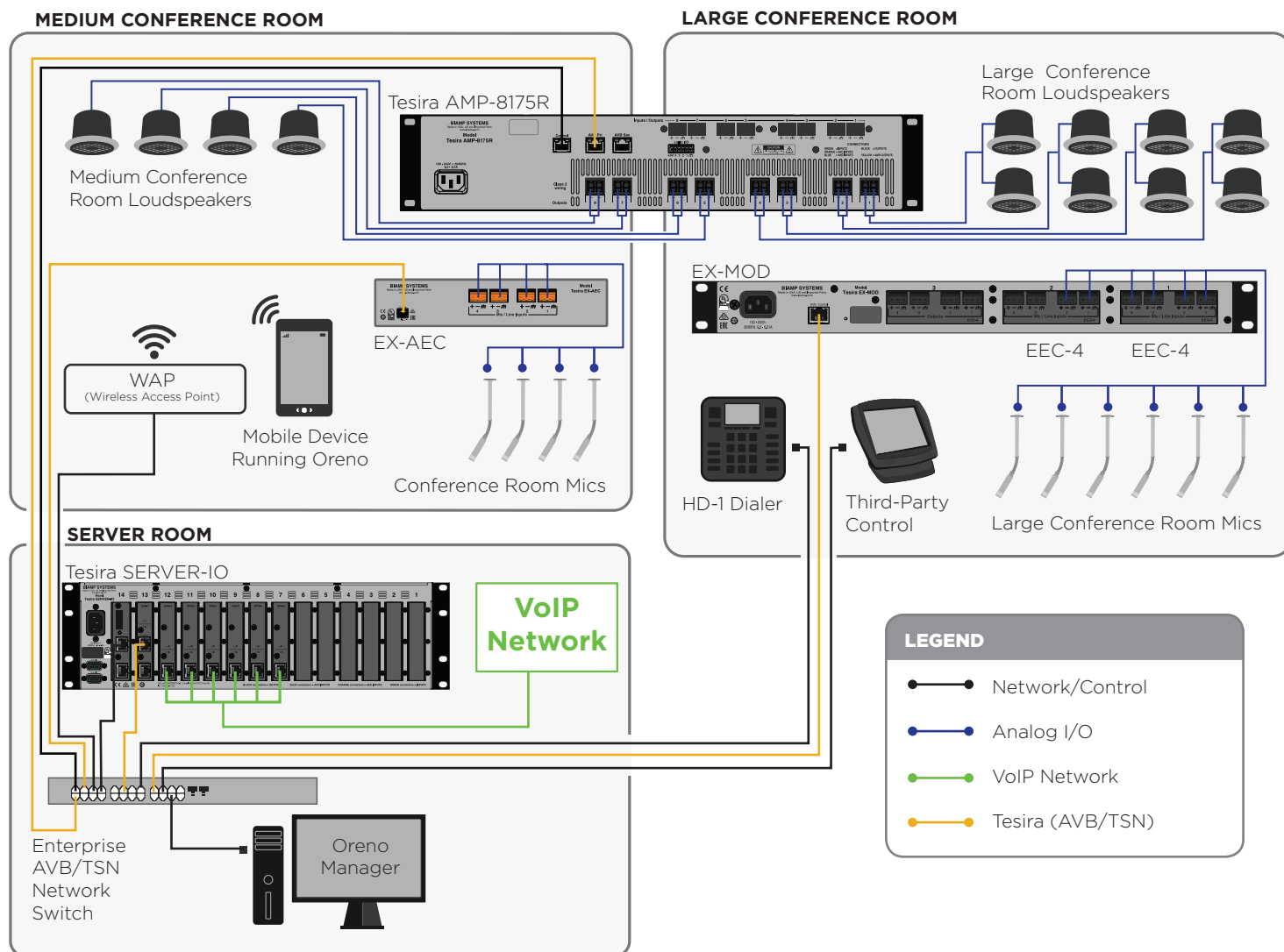
SYSTEM DESIGN GUIDE CORPORATE CAMPUS

TESIRA® SERVER-IO AND ORENO™ MOBILE CONTROL



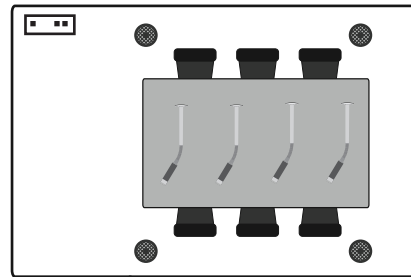
As the demand on audio systems increases, it's important to design a system that's flexible, scalable, and has the horsepower to make your audio sound great. A Tesira SERVER-IO solution is easily configurable, and allows you to leverage VoIP, while networking multiple rooms together over AVB/TSN. With 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.

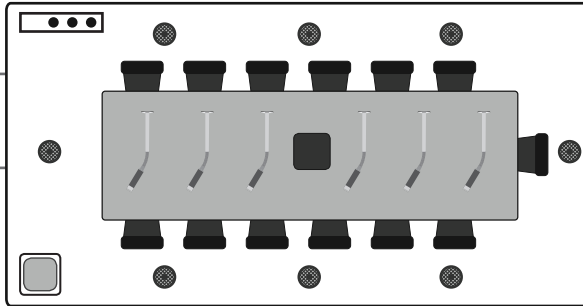


CORPORATE CAMPUS FLOOR PLAN

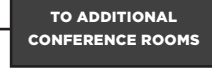
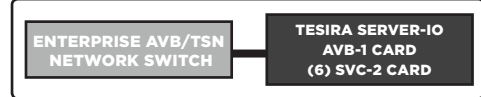
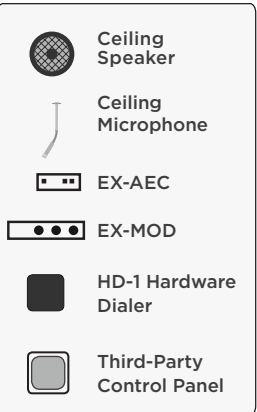
MEDIUM CONFERENCE ROOM



LARGE CONFERENCE ROOM



KEY



SERVER ROOM

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-8175R Amplifiers	Each AMP-8175R provides shared amplification for two conference rooms.