

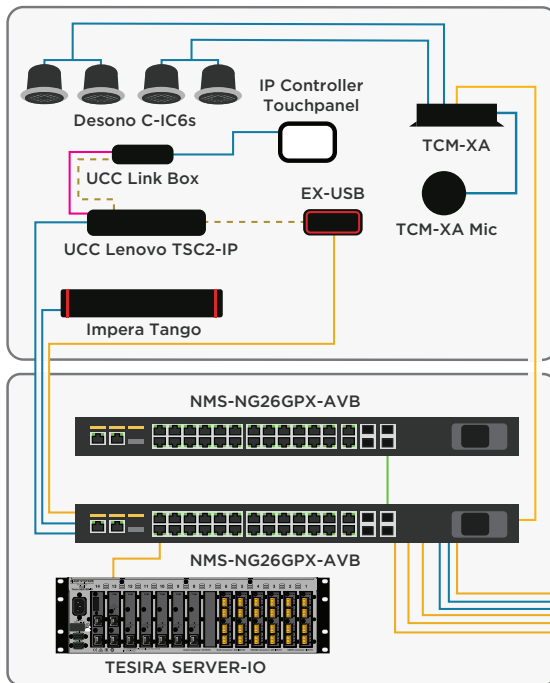
Corporate Campus



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 Beamtracking microphones, conference participants can move around the room naturally without worrying whether the far end can still hear them clearly. In this scenario, the Tesira SERVER-IO supports 10 conference rooms in a corporate campus with VoIP and AVB/TSN networking.

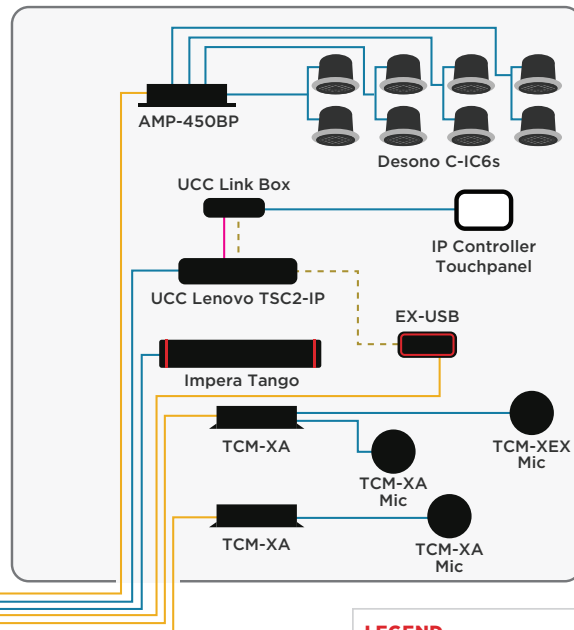
WIRING DIAGRAM

MEDIUM CONFERENCE ROOM



SERVER ROOM

LARGE CONFERENCE ROOM

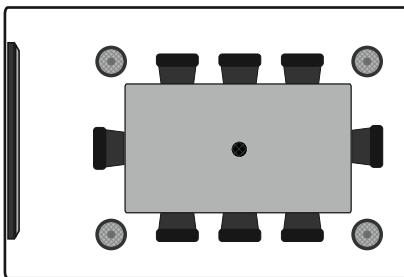


LEGEND

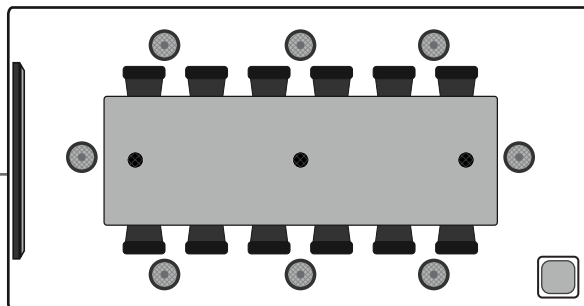
- AVB/TSN
- HDMI (DIGITAL VIDEO)
- USB
- CATEGORY CABLE
- 10G SFP+ FIBER

FLOORPLAN

MEDIUM CONFERENCE ROOM



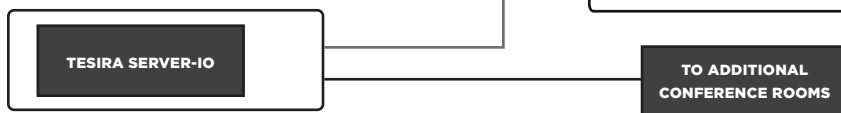
LARGE CONFERENCE ROOM



LEGEND

- DESONO C-IC6
- PARLÉ TCM-XA/XEX

SERVER ROOM



KEY FEATURES

- SERVER-IO centralizes all audio processing and distribution into one device
- Impera Tango enables Microsoft Teams and Zoom rooms user-designed control page, allowing control of room from one touch panel
- TCM-XA allows one CAT connection for power and data transfer to ceiling mounted devices (mics, amps, and speakers)

EQUIPMENT LIST

PRODUCT	DESCRIPTION
SERVER ROOM	
Tesira SERVER-IO (1 AVB-1 card, 7 SEC-4 cards, 2 DSP-2 cards)	Configurable I/O DSP providing VoIP capabilities to all conference rooms. Fewer rooms would require fewer SVC-2 cards.
NMS-NG26GPX-AVB	Provides IEEE standard audio networking to each room with low latency and guaranteed QoS.
MEDIUM CONFERENCE ROOM (6 ROOMS)	
TCM-XA Microphone	Actively tracks and intelligently mixes conversations from around the table. Each plenum box includes a 2-channel PoE+ amplifier.
TCM-XEX	Expansion beamtracking microphone that must be used with a Tesira TCM-XA or TCM-X microphone.
Desono C-IC6	Provides sound reinforcement for distance conferencing and/or videoconferencing.
Biamp UCC Lenovo TCP2-IP	Provides UC compute for Microsoft Teams or Zoom Rooms.
Impera Tango	Provides room control.
LARGE CONFERENCE ROOM (4 ROOMS)	
TCM-XA Microphone	Actively tracks and intelligently mixes conversations from around the table.
TCM-XEX Microphone	Expansion beamtracking microphone that must be used with a Tesira microphone.
Desono C-IC6	Provides sound reinforcement for distance conferencing and/or videoconferencing.
Biamp UCC Lenovo TCP2-IP	Provides UC compute for Microsoft Teams or Zoom Rooms.
Impera Tango	Provides room control.
AMP-450BP Amplifier	Provides amplification to ceiling loudspeakers in the room.