ClearOne®

Medium Conference Room

Design Guide

DOC-0519-001   REV 1.9 - 08 April 2022

AUDIO VISUAL
DISTRIBUTORS

ClearOne®

Room Application
Video Conferencing,
Teleconferencing

Included Interfaces
BYOD PC audio and video,
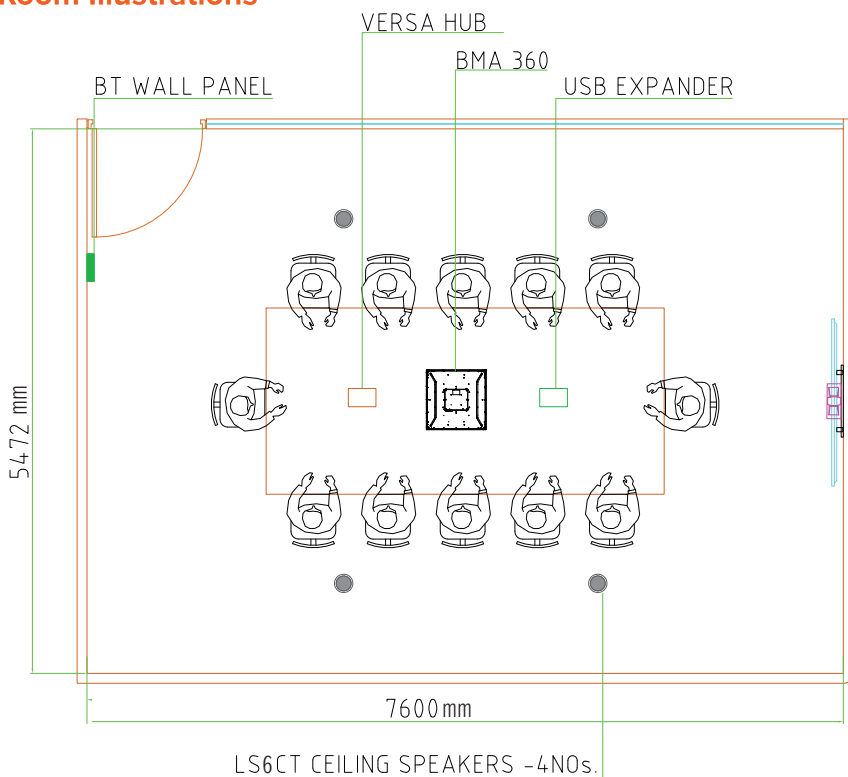Bluetooth, VoIP, Analog Phone

Primary Equipment
- BMA 360
- CP2 48 VT DSP
- BT Expander
- Versa Hub

Software/Firmware revisions utilized
- CONSOLE® AI Version: 7.5.4.1
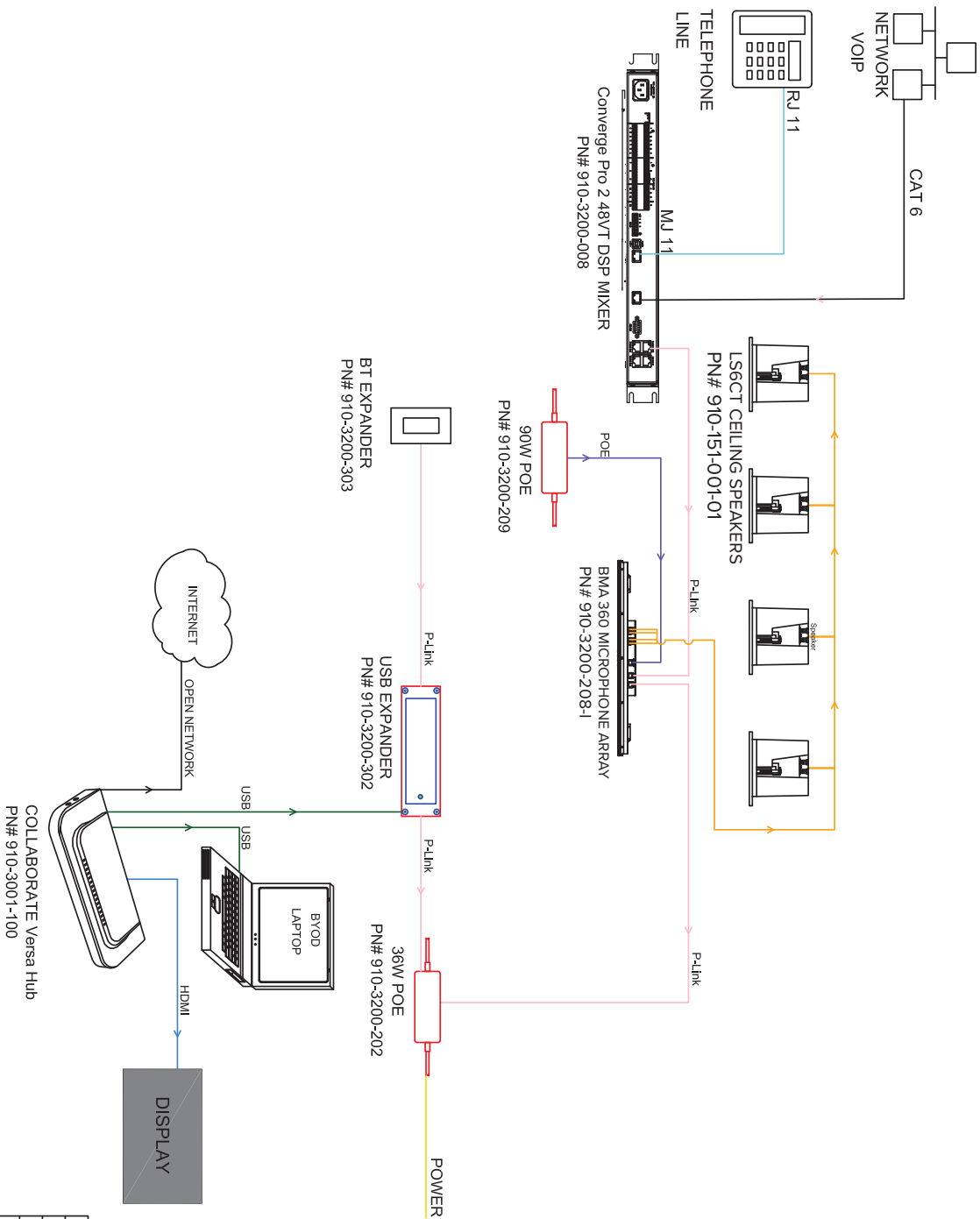- DSP Version: 8.5.15.0
- BMA 360 Version: 1.0.6.10

Room Illustrations

VERSA HUB

BMA 360

BT WALL PANEL

USB EXPANDER

5472 mm

7600 mm

LS6CT CEILING SPEAKERS –4NOs.

Room Description
A Medium Conference room for groups of 12 or less. This system provides the best audio even in a reverberant space and all of the connectivity needed for BYOD devices from your laptop to your cell phone. Standard Telephony and VoIP complete the systems long list of connectivity options.
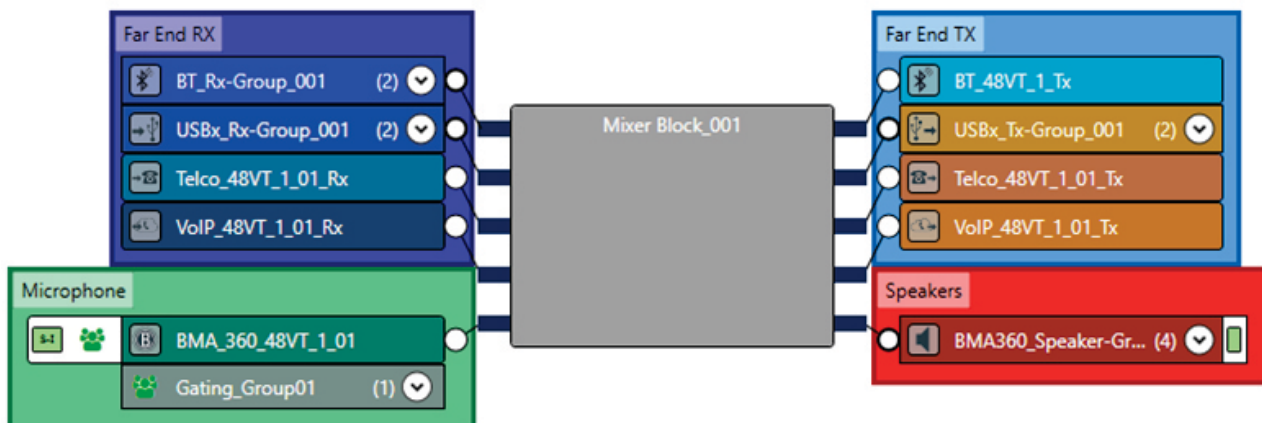
NOTE: ANY INDIVIDUAL P-LINK MUST NOT EXCEED 61 METRES IN LENGHT

NETWORK
VOIP

TELEPHONE
LINE

RJ 11

CAT 6

Converge Pro 2 48VT DSP MIXER
PN# 910-3200-008

MJ 11

LS6CT CEILING SPEAKERS
PN# 910-151-001-01

90W POE
PN# 910-3200-209

POE

BT EXPANDER
PN# 910-3200-303

P-Link

BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

Speaker

P-Link

P-Link

INTERNET

OPEN NETWORK

USB EXPANDER
PN# 910-3200-302

P-Link

USB

USB

P-Link

COLLABORATE Versa Hub
PN# 910-3001-100

BYOD
LAPTOP

HDMI

36W POE
PN# 910-3200-202

POWER

DISPLAY

LEGEND	
	SPEAKER (18 AWG Wire)
	POE
	USB
	HDMI
	P-LINK (CAT 6)
	NETWORK (CAT 6)

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Equipment list:

Qty	Part Number	Product Name	Description
1	910-3200-008	CONVERGE® Pro 2 48VT	DSP Mixer with 4 Mic/Line AEC Inputs, 8 Mic/Line Outputs, USB Audio, VoIP, Telephone Interface, 2 x 10 Watt Power Amplifier
1	910-3200-209	90W PoE++ power supply kit for BMA	Includes 1 x 90 Watt PoE++ Injector, 2 x 7.6m CAT6 cables
1	910-3200-202	36W PoE+ power supply kit for BMA	Includes 1 x 36 Watt PoE+ Injector, 2 x 7.6m CAT6 cables
1	910-3200-208-I	BMA 360 600mm	BMA with 4 x 15 Watt Power Amplifiers. PoE Injector and CAT6 cables not included. .
1	910-3200-302	USB Expander for CONVERGE® Pro 2	Includes 1.8m USB cable
1	910-3200-303	CONVERGE® Blue Tooth Expander	Includes Bluetooth Expander Wall Panel, Trim Plate, Low Voltage 1-Gang Wall Bracket, NFC Button
2	910-151-001-01	Ceiling Speakers	Includes 2 x LS6CT ceiling speakers with 8 ohm and 70V/100V transformer taps and ceiling tile bridges.
1	910-3001-100	COLLABORATE® Versa Hub	Hub that connects USB camera, USB audio, room displays and laptop

FlowView™ Diagram

Included Macros

- Microphone_Mute : Mutes both room BMA 360 Microphones.
- Microphone_Unmute : Unmutes both room BMA 360 Microphones.
- Room_SPKR_Mute : Mutes all room speaker channels.
- Room_SPKR_Unmute : Unmutes all room speaker channels.
- Room_VOL_DN : Decreases the room speaker volume by 3 dB per execution.
- Room_VOL_UP : Increases the room speaker volume by 3 dB per execution.

* Macros can be executed via Telnet or serial communications.
 Refer to the Converge Pro 2 Serial Command Reference Manual for details.

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