The CONVERGE® Huddle is a professional audio DSP mixer that addresses today's AV needs in huddle rooms and similarly sized meeting spaces.

With CONVERGE Huddle, audio and video collaboration applications can be accomplished through a single cable connection to users' Bring Your Own Devices (BYOD), such as laptops, tablets, and smartphones that run applications such as Microsoft Teams, GoToMeeting™ , Zoom, Google Meet and WebEx®.

## Audio Signal Processing

+ Next-gen Acoustic Echo Cancellation processing

+ Distributed Echo Cancellation® on every mic input

+ Noise Cancellation with Adaptive-Ambience

+ Acoustic Intelligence with faster convergence

## Bring Your Own Application

+ PC-based video conferencing

+ PC-based audio conferencing

+ Audio conferencing via mobile devices

+ In-room wired presentation

## Clutter-Free Connection

+ Connects laptop via single USB 3.0 connection*#

+ Connects display screen, camera, mic and speaker

+ Connects PC / mobile device through Bluetooth (future)

## Simple Configuration

+ User-friendly Pro CONSOLE® software

+ Pre-configured template

+ Auto-discovery of devices

+ System monitoring and troubleshooting

## Flexibility

+ Compatible with ClearOne or any 3rd party camera

+ Compatible with ClearOne or any 3rd party mic

+ Compatible with ClearOne or any 3rd party speaker

## Compact Form Factor

+ Half rack width, 1RU rack height

+ Flexible mounting under a conference table, or in a closet, rack or on the wall, or VESA mounting

### APPLICATIONS

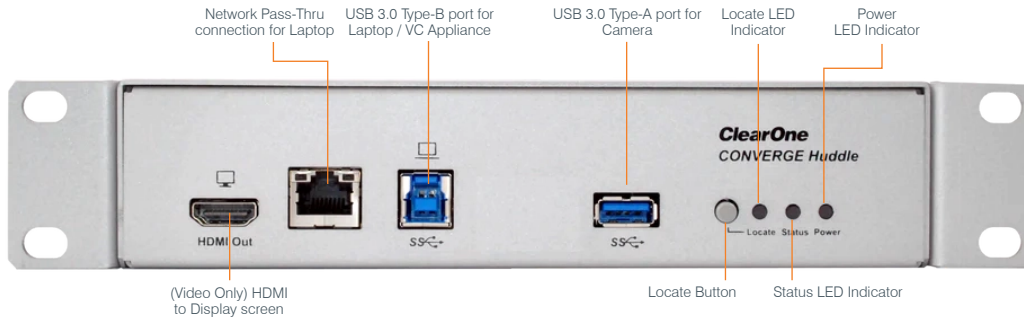Audio Conferencing

Video Conferencing
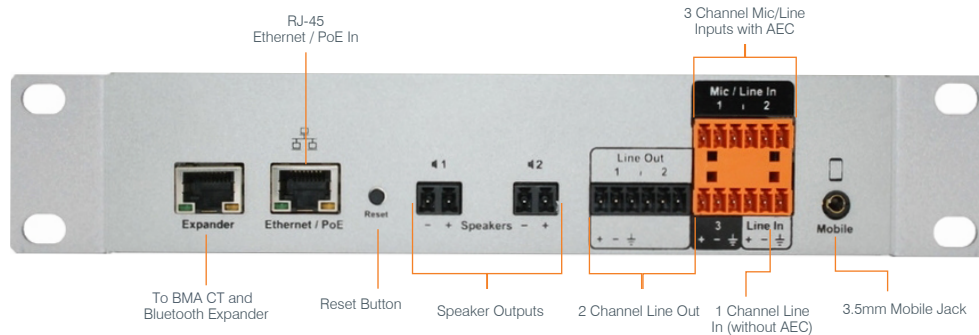
Presentation

### WORKSPACES

Huddle Rooms

* Requires DisplayLink driver on laptop
# USB 3.0 cable can be extended up to 10m, 30m

## Front Panel

Network Pass-Thru connection for Laptop
USB 3.0 Type-B port for Laptop / VC Appliance
USB 3.0 Type-A port for Camera
Locate LED Indicator
Power LED Indicator

ClearOne
CONVERGE Huddle

HDMI Out — Locate Status Power — SS⟵⟶ — SS⟵⟶

(Video Only) HDMI to Display screen
Locate Button
Status LED Indicator

## Back Panel

RJ-45 Ethernet / PoE In
3 Channel Mic/Line Inputs with AEC

Mic / Line In 1  2

Expander — Ethernet / PoE — Reset — ◀1 ◀2 — + Speakers + — Line Out 1  2 — 3  Line In — Mobile

To BMA CT and Bluetooth Expander
Reset Button
Speaker Outputs
2 Channel Line Out
1 Channel Line In (without AEC)
3.5mm Mobile Jack

## PRODUCT SPECIFICATIONS

*Unless otherwise specified, all measurements are performed with a 20Hz to 22kHz BW (no-weighting).*

### MIC/LINE INPUTS & OUTPUTS
**Inputs:** 3 Channels balanced audio Mic/Line inputs with AEC, 1 Channel balanced audio Line input without AEC, 3.81mm Orange color Phoenix/Euroblock type male header, Push-on mini-terminal block
**Line Outputs:** 2 Channel Balanced audio Line outputs, 3.81mm Black color Phoenix/Euroblock type male header, Push-on mini-terminal block
**Frequency Response:**
  20Hz – 22kHz @ 0dBu, +/- 0.5dBu
**EIN (Equivalent Input Noise):**
  20kHz BW, max gain, Rs = 150Ω, -126dBu
**THD + N (Total Harmonic Distortion + Noise):**
  • 20Hz – 22kHz @ 0dBu, line level, <0.01%
  • 20Hz – 22kHz @ -56dBu, mic level, <0.2%
**Dynamic Range:**
  20Hz – 20kHz @ 0dB, >105dB
**Crosstalk (Mic/Line):**
  Channel to Channel, stimulus at 20dBu to receptor at -56dBu, 1kHz, < -98dB
**Input Impedance:**
  Balanced (line to ground), 2.2kΩ, 1%
**Nominal Input Level:**
  Adjustable -56dB to 0dB, 7dB step coarse gain
**Maximum Input Level:** -65dBu to 20dBu
**Phantom Power:** 48V, Impedance 6.81kΩ
**Output Impedance:**
  Balanced (line to ground), 95Ω, 1%
**Output Level:**
  0dBu (Nominal), 20dBu (Max)

### HEADSET AUDIO
**Port Type:** 3.5mm TRRS connector
**Frequency Response:**
  • Headset In: 20Hz – 22kHz, +/- 3dB
  • Headset Out: 20Hz – 22kHz, +/- 1dB
**THD + N (Total Harmonic Distortion + Noise):**
  • Headset In: 20Hz – 22kHz @ -7.782dBu nominal, <0.01%
  • Headset Out: 20Hz – 22kHz @ 0dBu, <0.02%
**Dynamic Range:**
  20Hz – 20kHz @ 0dB, >95dB

### USB 3.0 TYPE-B
**Location:** Front Panel
**Number of Ports:** 1
**Devices:** PC/laptop/Mac/VC Appliance
**Networks:** For Audio/Video and Network

### USB 3.0 TYPE-A
**Location:** Front Panel
**Number of Ports:** 1
**Devices:** Camera
**Compatible:** USB 3.0
**USB Power Sourcing:** 5V@900mA.

### NETWORK PASSTHROUGH
**Port Type:**
  RJ-45, 10/100/1000Mbps, passthrough to USB-B 3.0

### EXPANDER
**Ports Type:** RJ-45 (Cat5e or Cat6)
**Expander Out:** Proprietary Peripheral Bus
**Cable:** Solid core, factory terminated Cat 5e or 6 cable
**Distance:** Up to 200' (60M)
**Device:** 1 Expander port for BMA CT and Bluetooth Expander

### AMPLIFIER OUTPUT
**Type:** 5.08mm Black Header, Male, Phoenix type Euroblock
**Speaker Output Port:** Dual binding posts
**Audio:** 2 Channels
**Output Power:** 10W Max, 8Ω load
**Frequency Response:**
  20Hz – 22kHz @ 10dBu, +/- 0.5dBu
**THD + N (Total Harmonic Distortion + Noise):**
  20Hz – 22kHz @ 10dBu, 1W, <0.2%
**Dynamic Range:**
  20Hz – 22kHz @ 20dB, >102dB with 20kHz digital low pass filter
**Crosstalk (Mic/Line):**
  Channel to Channel, stimulus at 20dBu to receptor, < -70dB

### VIDEO
**Port Type:** HDMI output connector
**Location:** Front Panel
**Resolutions:**
  • Ultra-high resolution support (up to 2560x1600)

### LEDs
**Location:** Front Panel
**Status LED:** Blue / Red
**Locate LED:** Blue / Red
**Power LED:** Blue

### ETHERNET
**Port Type:**
  RJ-45, 10/100Mbps Ethernet Network, Auto Negotiation

### POE, POWER & THERMAL
**Power Type:** PoE
**Port Type:** RJ-45
**Power Source:**
  56V 640mA BMA2 PoE Power Injector (Part No. 910-3200-202) (Midspan), or PoE Ethernet Network Switch (Endspan)
  IEEE 802.3at, Mode A or B
**Mains Voltage:** 100-240V AC, 50/60Hz
**Power Consumption:** 34 Watts Typical
**Thermal:** 116 BTU/Hr Typical
**Operating Temperature:**
  14°F (-10°C) to 104°F (40°C) Ambient Temperature
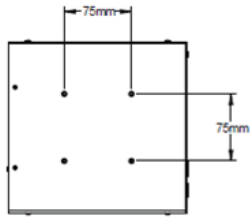
### RESET
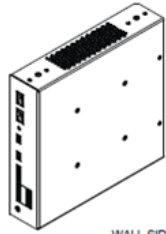**Factory Reset:** Press continuously for ~10 seconds.

### DIMENSION & WEIGHT
**Width x Depth x Height:**
  7.52" x 7.83" x 1.73" (191mm x 199mm x 44mm)
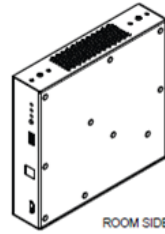**Unit Weight:** 2.9 lbs (1.32 kg) (Approximately)
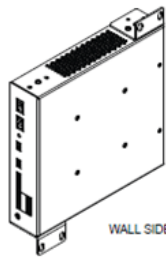
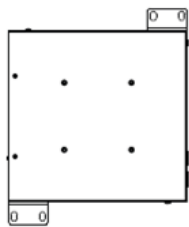**PRODUCT SPECIFICATIONS**

### MOUNTING
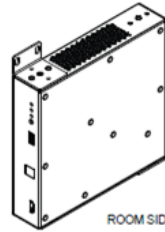


STANDARD MOUNTING PATTERN
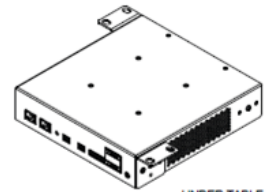FOR USE WITH M4 SCREWS

WALL SIDE
(MOUNT NOT SHOWN)

ROOM SIDE

WALL SIDE

ROOM SIDE

UNDER TABLE

SINGLE RACK MOUNT
EITHER FACE FORWARD

DUAL RACK MOUNT
EITHER FACE FORWARD

### PART NUMBER

| Part Number | Product Name |
|---|---|
| 910-3200-701 | CONVERGE Huddle |
| 910-3200-702-30 | USB 3.0 Cable – 30 feet |
| 910-3200-702-100 | USB 3.0 Cable – 100 feet |
| 910-3200-703 | Rack Mounting kit for CONVERGE Huddle |