Converge Pro 2
DIGITAL AUDIO PROCESSOR

NEXT-GENERATION AUDIO PROCESSING
FOR CONFERENCES AND SOUND REINFORCEMENT

CONVERGE PRO 2

The latest in the series of groundbreaking audio conferencing products, ClearOne CONVERGE Pro 2 builds upon the innovations of its predecessors. Signal processing has been upgraded to offer world-beating echo cancellation, adaptive noise reduction and advanced feedback suppression.

CONVERGE Pro 2 brings simple, single-cable connectivity to peripherals, the ability to stack devices, intuitive software and choices for VoIP, POTS, and digital audio networking.

Combined with ClearOne Beamforming Microphone Array 2, CONVERGE Pro 2 is the only integrated beamforming DSP solution.

APPLICATIONS

» Boardrooms
» Conference Rooms
» Huddle Spaces
» Lecture Halls
» Training Rooms
» Courtrooms
» Telemedicine Facilities

» Auditoriums
» Distance Learning Facilities
» Convention Centers
» Hotels
» Houses of Worship
» Small Meeting Rooms

KEY FEATURES

Completely new and powerful hardware architecture and software platform

Next-generation, signal-processing algorithms for Acoustic Echo Cancellation (AEC) and noise reduction

Different models available for conferencing or sound reinforcement applications

Scalable system from 4 to 144 inputs

Choice of models with VoIP, or telephone connection both with Dante™ option for precisely the solution you need

World-class audio performance

Setting the standard for audio conferencing and sound reinforcement applications

SMALL MEETING ROOM WITH TELEPHONE CONFERENCING

Smaller conference rooms can be served using a single CONVERGE Pro 2 processor. Ideal for connecting up to three Beamforming Microphone Arrays and up to a further three DIALOG® 20 dual-wireless microphones. All these devices use a single P-Link peripheral connection up to 200ft (60m) apart.

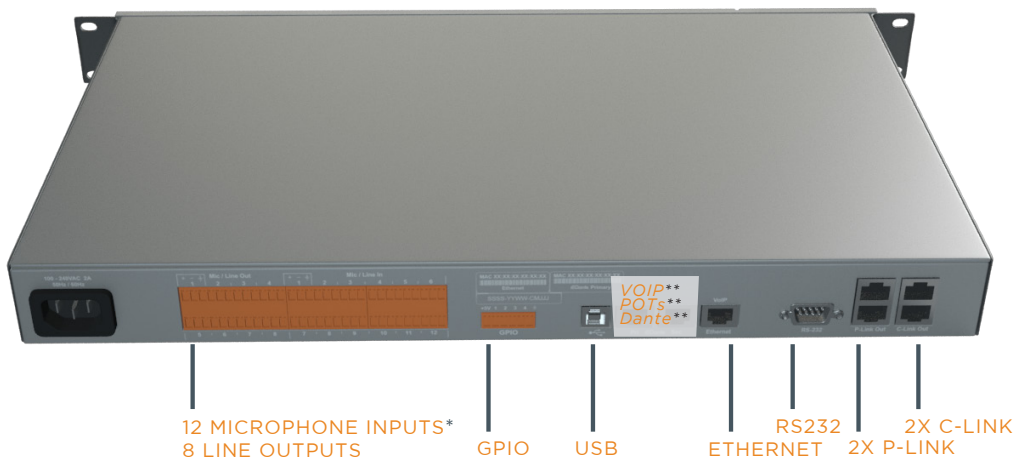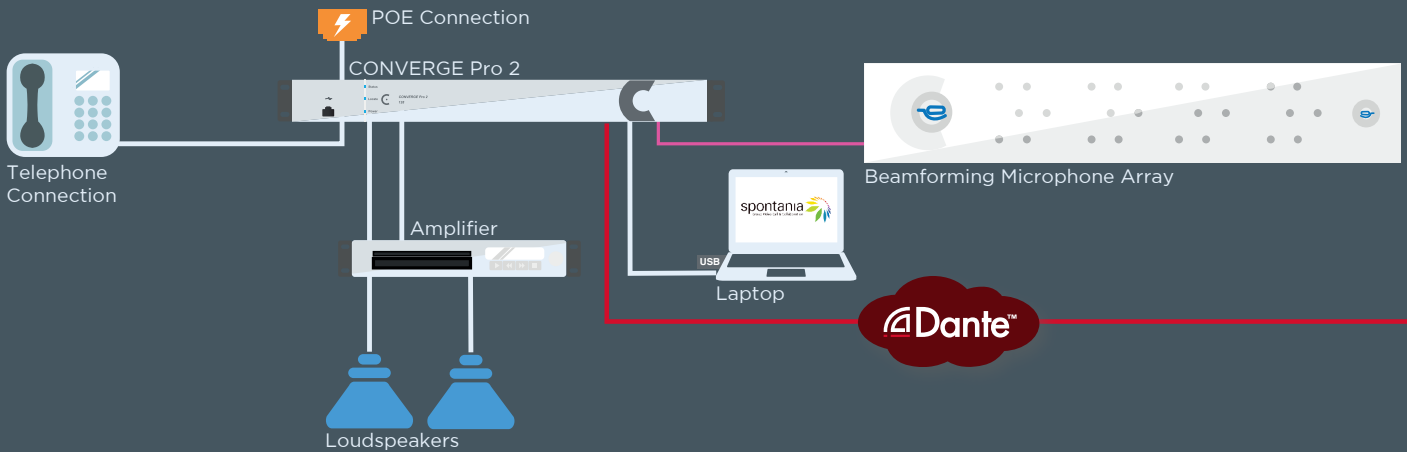Additional line inputs and podium microphones can be connected into the 12 mic/line inputs.

Models equipped with a telephone connection give you ClearEffect™ processing for crystal-clear audio.

Eight line outputs connect to amplifiers for zoned audio as well as video and audio conferencing equipment.

USB connects to your PC to let you connect to any of the industry standard conferencing platforms, including ClearOne Spontania™.

Optional Dante™ models let you connect to the latest audio networking equipment.

SYSTEM EXAMPLE

POE Connection

CONVERGE Pro 2

Telephone Connection

Amplifier

Beamforming Microphone Array

spontania

USB

Laptop

Dante™

Loudspeakers

12 MICROPHONE INPUTS*
8 LINE OUTPUTS

GPIO

USB

VOIP**
POTs**
Dante**

RS232
ETHERNET

2X C-LINK
2X P-LINK

*Except 48T, 48V Models

**Model options

Flexible and scalable, intelligent audio processing
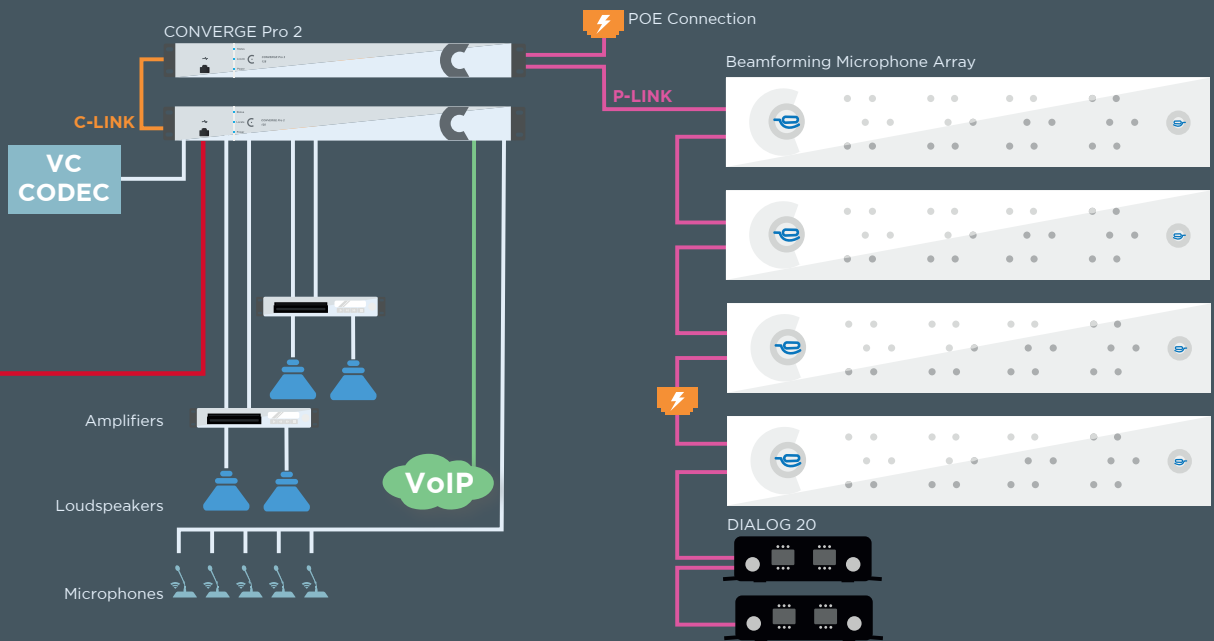
LARGE MEETING ROOM FACILITY

CONVERGE Pro 2 elegantly scales for large systems up to 144 inputs. Additional Beamforming Microphone Arrays and DIALOG 20 dual wireless microphones can also be added using ClearOne's P-Link peripheral connection.

CONVERGE Pro 2 units stack together, connected with a single C-Link connection between devices. This multichannel, high-speed bus makes your system work as one, all without a network switch.

Models equipped with VoIP connections have two lines as standard with a further three available as a future software upgrade.

To connect to an audio network, only one CONVERGE Pro 2 in your stack needs a Dante connection.

A stack of CONVERGE Pro 2 processors can deal with the most demanding set ups with multiple microphones, multiple audio zones and a wealth of connected devices and peripherals.

CONVERGE Pro 2

POE Connection

Beamforming Microphone Array

P-LINK

C-LINK

VC CODEC

Amplifiers

Loudspeakers

VoIP

Microphones

DIALOG 20

C-LINK gives you a scalable system. Units can be stacked together in any combination

P-LINK is ClearOne's connection for peripherals

CONVERGE PRO 2 AND THE BEAMFORMING MICROPHONE ARRAY 2

Connecting the Beamforming Microphone Array 2 lets you remove the clutter of desk microphones and still provide the best quality conference audio. Set up is easy, all from the same software package. You simply create steerable beams which pick up sound no matter where people are speaking from.

Our patented technology applies Acoustic Echo Cancellation (AEC) to each beam to give perfect results for audio and video conferences.

Automatic mixing gives you a consistent level from all participants. HD Conference™ noise reduction removes unwanted sounds.

CONVERGE Pro 2 seamlessly integrates one, two, or many Beamforming Microphone Arrays, so your system works in unison with automatic microphone gating across all devices.

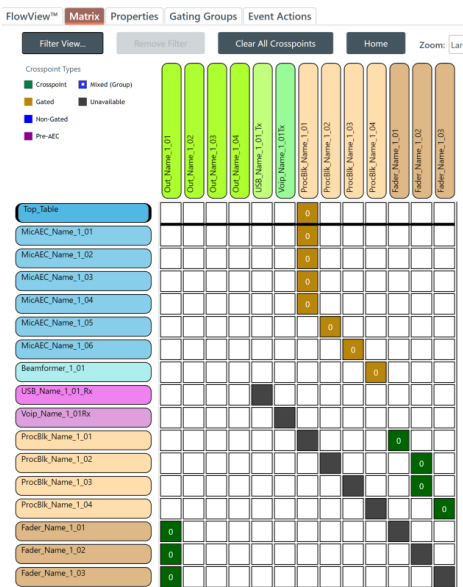*Seamless integration with Beamforming Microphone Array 2*

ClearOne®

HIGHLIGHTS

» 12 Mic/Line inputs with AEC

» Built-in VoIP: 2 lines +3 lines (Future upgrade)

» Built-in Telco with ClearEffect™ processing

» Built-in USB for PC-based conferencing

» Built-in Dante for networked audio

» Adaptive ambient noise cancellation

» DARE™ feedback elimination

» Advanced microphone gating

» USB Expander and GPIO Expander

» Dialer app for Windows, Mac, iOS, Android

» Touch Panel Controller with tabletop and wall mount options

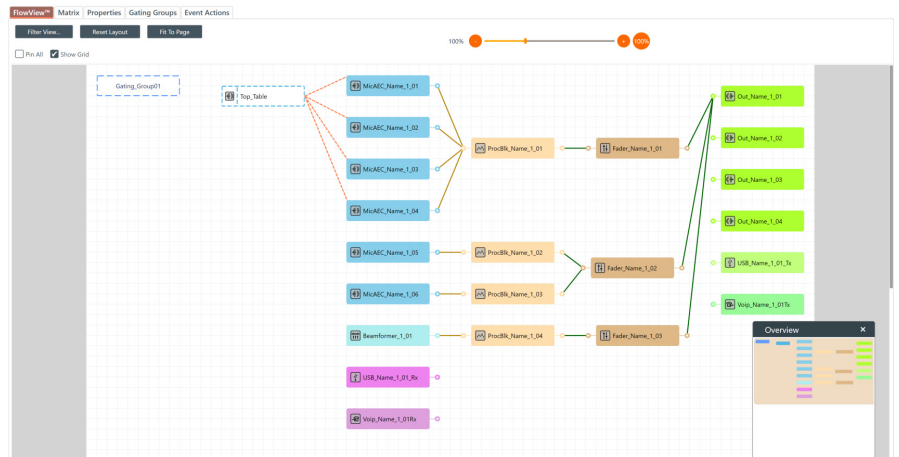» Control modules for third-party control systems

PRODUCT OPTIONS

Product	Mic/Line Inputs	Mic/Line Outputs	AEC	POTS	VoIP	Dante
CONVERGE Pro 2 128	12	8	Yes	-	-	-
CONVERGE Pro 2 128D	12	8	Yes	-	-	Yes
CONVERGE Pro 2 128T	12	8	Yes	Yes	-	-
CONVERGE Pro 2 128TD	12	8	Yes	Yes	-	Yes
CONVERGE Pro 2 128V	12	8	Yes	-	Yes	-
CONVERGE Pro 2 128VD	12	8	Yes	-	Yes	Yes
CONVERGE Pro 2 120	12	-	Yes	-	-	-
CONVERGE Pro 2 012	-	12	-	-	-	-
CONVERGE Pro 2 48T	4	8	Yes	Yes	-	-
CONVERGE Pro 2 48V	4	8	Yes	-	Yes	-
CONVERGE Pro 2 128SR	12	8	-	-	-	-
CONVERGE Pro 2 128SRD	12	8	-	-	-	Yes

CONSOLE™ SOFTWARE

MatrixView™

FlowView™

» FlowView lets you see the signals passing through all the audio processing. Click and you are editing parameters quickly and logically.

» MatrixView lets you view all inputs and outputs so you can make audio connections throughout your system.

» You can filter the matrix to view just the connections you want.

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