



C20 SMART PROCESSOR

Signal processing, AVoIP audio channels, and control including connection to common computing and communications devices in a small sized unit.

OVERVIEW

Signal processing, audio channels, and control all in a single unit.

As a bridge between IP networks and USB-equipped devices. C20 functions as a simple yet reliable way to get audio from USB sources on to networks with a plug and play experience that is easy to use and understand.

Equipped with 64 Dante transmit channels and 64 Dante receive channels, 8 channels of AEC (Acoustic Echo Cancellation) 32 playback channels and 8 record channels all at 96k quality.

Play and record functionality to include announcements and background music.

Dual network connections for discovery and configuration.

Control with Symetrix systems, third-party devices, and personal devices.

KEY BENEFITS

Single Unit Solution

In addition to audio channels, C20 offers platform control including third-party devices and advanced signal processing up to 96k.

Bring Your Own Device

Incorporates user supplied computers and other devices into audio systems.

System Control

With integrated web server functionality, C20 can be controlled through an interface on a personal device. C20 can also be paired with TC Series touchscreens and W3C controller. Control extends to various third-party devices.

Play and Record

Media playback and record is included via a USB-A port using a USB drive including working with playlists.

Simple Use

Plug-and-play functionality provides easy training and operation for users.

Flexible Mounting

A versatile unit that can be rack mounted, mounted under a table, or mounted in a rack for deployment in any installation.

Advanced Processing

Provides high quality audio signal processing and routing including AEC for crystal-clear meetings.

PRIMARY CAPABILITIES

- 64×64 transmit and receive Dante channels
- 8 AEC channels
- 32 playback channels
- 8 record channels
- 8×8 USB-C Audio Bridging with HID Sync
- 48 kHz/96 kHz, 24-bit Open Architecture Signal Processing
- USB-C port (3.2)
- USB-A port (3.2)
- 2× 1Gb Ethernet ports
- Run multiple independent Signal Flow Spaces on a single system
- Extensive control options via Symetrix Cognio™ DesignOps control screens, TC Series touchscreens, WC Series remotes, and TCP/UDP
- Web server for third-party control and personal device integration
- Third-party control via extensive driver library and custom Lua scripting
- External Control using JSON-RPC
- Meets modern security standards including encrypted communications, secure boot, secure firmware updates, and hardware locking
- DC power adapter included
- Surface or VESA mounting hardware included
- Rack mounted with optional accessory



APPLICATIONS

- Business
- Education
- Government

COMMON USE CASES

- Run an entire room or other space with a single unit.
- Audio output from devices transmitting external conferencing audio into rooms.
- Efficient distribution of audio signals from devices to amplifiers, speakers and external locations.
- Acoustic Echo Cancellation applied for hybrid meetings and rooms.
- Synchronization with user devices for control of volume, call status, answer, and hang-up calls.
- Integration of audio from devices to audio systems for playback, music, cues, or announcements.
- Supports recording and playback workflows interconnecting computers for storing and logging audio.



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