

C20 Smart Processor

The Cognio™ C20 processor provides signal processing, audio channels, and control all in a single unit, and also bridges the gap between IP networks and USB-equipped computers. With plenty of Dante and Signal Processing Channels, the C20 is at home in almost every mid-sized environment or as a piece of a multi-space installation.

KEY FEATURES

- 64x64 transmit and receive Dante channels
- 8 AEC channels
- 32 playback channels
- 8 record channels
- 8x8 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)
- 2x 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

SYSTEM SPECIFICATIONS

System Management	Cognio DesignOps software
Operating System	Cognio OS, Linux based
Control of Third-Party Devices	Cognio Driver Library and Custom Lua Scripting
External Control of C20	JSON-RPC
Embedded Web Server	Provides remote metering, diagnostics, and configurable browser-based control
Remote Monitoring	Symetrix AV-Ops Center built on Xyte
Security	Encrypted Communications Support for Encrypted Dante Encrypted Firmware Updates Secure boot Hardware Locking
Processing	x86 Multi-core CPU
Sampling Rate	48 kHz or 96 kHz
Bit Depth	24 Bit
Ethernet Dante Inputs	1× RJ45 1 Gbit/Sec
Ethernet Control Inputs	1× RJ45 1 Gbit/Sec
USB	1x USB 3.2 Type C 1x USB 3.2 Type A

CONFIGURATION

Dante Channels	64×64
AEC Channels	8
USB Audio Bridging	8x8

MECHANICAL SPECIFICATIONS

Form Factor	VESA, Rack or surface-mountable: 1U rack high
Dimensions	1.7 x 6.7 x 7.4 in (42.76 x 170.4 x 187.6 mm)
Shipping Weight	2.1 lb (0.95 kg)
Mounting Options	Surface mount brackets included, optional 1U rack tray. VESA Mount with optional hardware

POWER

Power Supply	External DC Included
Rated Line Voltage	24 VDC
Rated Wattage	51 W

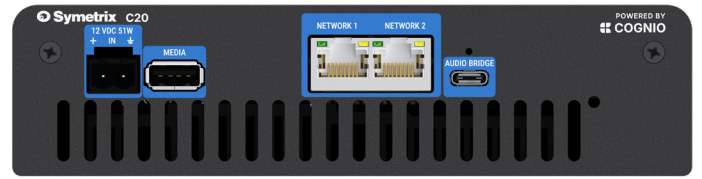
OPERATING ENVIRONMENT

Standard Operating Temperature	0° to 40°C (32° to 104°F)
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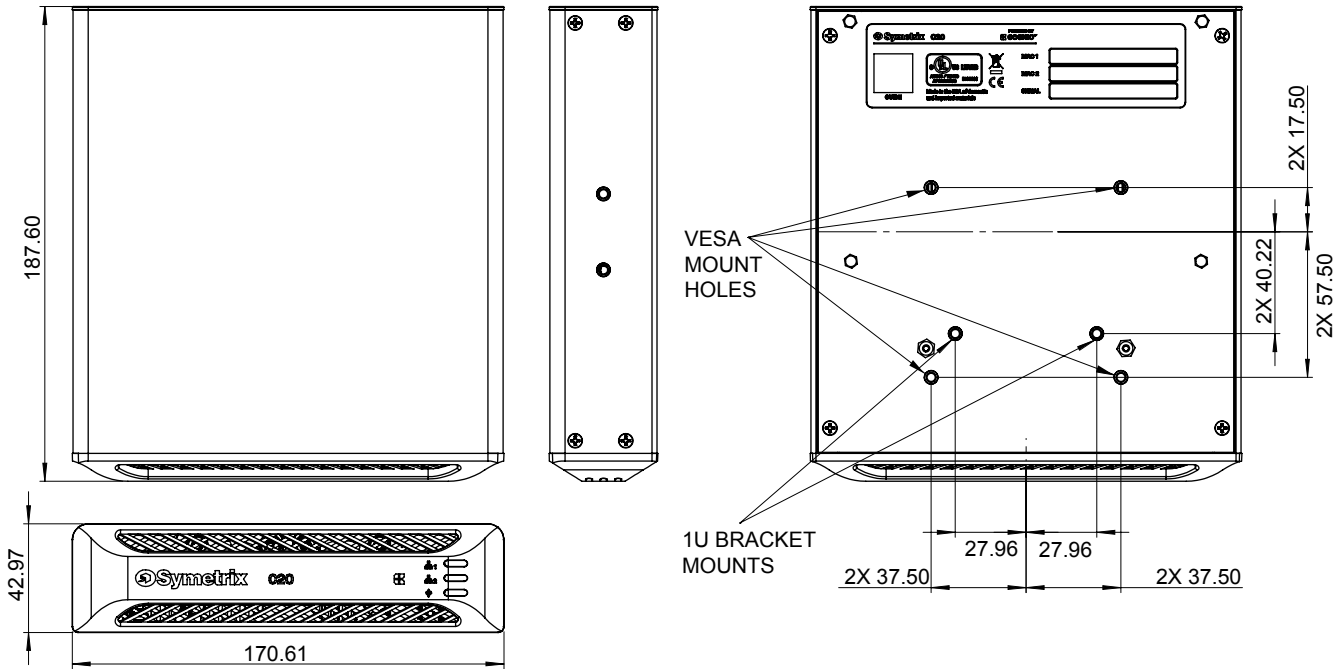
FRONT PANEL



REAR PANEL



DIMENSIONS



DIMENSIONS WITH 1U RACK TRAY

