

ControlSpace EX-12AEC

conferencing processor



Product Overview

With an open-architecture design, twelve acoustic echo cancellers (AEC), and 16 x 16 Dante® connectivity, the ControlSpace EX-12AEC conferencing processor provides cost-effective, robust AEC for conference rooms using ControlSpace EX conferencing processors.

Applications

- Boardrooms
- Large conference rooms
- Distance learning
- Multipurpose spaces
- Divisible conference rooms
- Operations centers

Key Features

12-channel AEC expansion with multiple references to complement ControlSpace EX processors in larger systems

Adaptable noise cancellation on each AEC channel; non-linear processing and comfort noise to enhance the clarity and intelligibility of meetings

Dante audio networking supports 16 x 16 audio channels for connection to EX processors

Front-panel interface features large OLED display and rotary encoder for setting network parameters and monitoring channel activity

ControlSpace EX-12AEC

conferencing signal processor

Technical Specifications

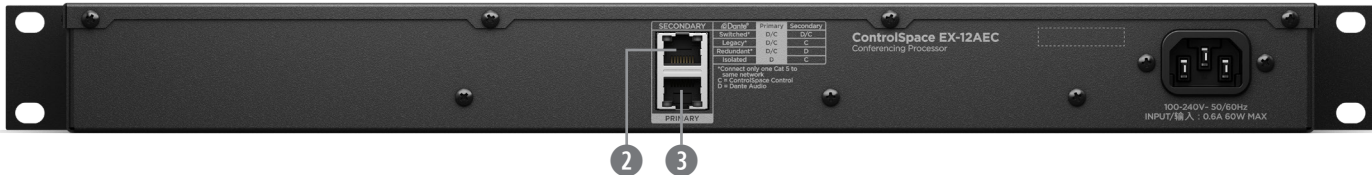
INTEGRATED DSP	
Signal Processor/CPU	32-bit fixed/floating-point DSP 456 MHz/ARM Cortex-A8 600 MHz
Maximum Calculation	3.6 GIPS / 2.7 GFLOPS
Delay	43 s
ACOUSTIC ECHO CANCELLING	
Tail Length	480 ms
Noise Reduction	32 dB
Latency	50 ms
Channels	12
References	4
AUDIO OVER IP	
Dante	16 x 16, primary/secondary, routable to AEC
INDICATORS AND CONTROLS	
Display	256 x 64 OLED with rotary encoder
LED Status Indicators	Power/Status
Audio Signal Indication	On Display
ELECTRICAL SPECIFICATIONS	
Mains Voltage	85 VAC-264 VAC 50/60 Hz
AC Power Consumption	35 W typical at 40 °C (104 °F) ambient
Mains Connector	IEC 60320-C14 (Inlet)
Power Dissipation	60 W (205 BTU, 52 kcal)
PHYSICAL	
Dimensions (H x W x D)	44 x 483 x 282 mm (1.7 x 19.0 x 11.1 in)
Net Weight	2.4 kg (5.3 lb)
Operating Temperature	0°C - 40°C (32°F - 104°F)
Cooling System	2 variable-speed fans, side venting
GENERAL	
PC Configuration Software	ControlSpace Designer software version 5.5 or later
Network Control	Ethernet (RJ-45), 1 Gbps
COMPLIANCE	
Safety	UL60065 (8th edition), CAN/CSA-C22.2 No.60065 (8th edition), IEC/EN60065 (8th edition) UL62368-1 (2nd edition), CAN/CSA C22.2 No. 62368-1-14 (2nd edition), IEC/EN 62368-1 (2nd edition)
EMC	EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55035:2017 FCC Part 15B Class A, AS/NZS CISPR 32:2015, ICES-003 Class A, CISPR13

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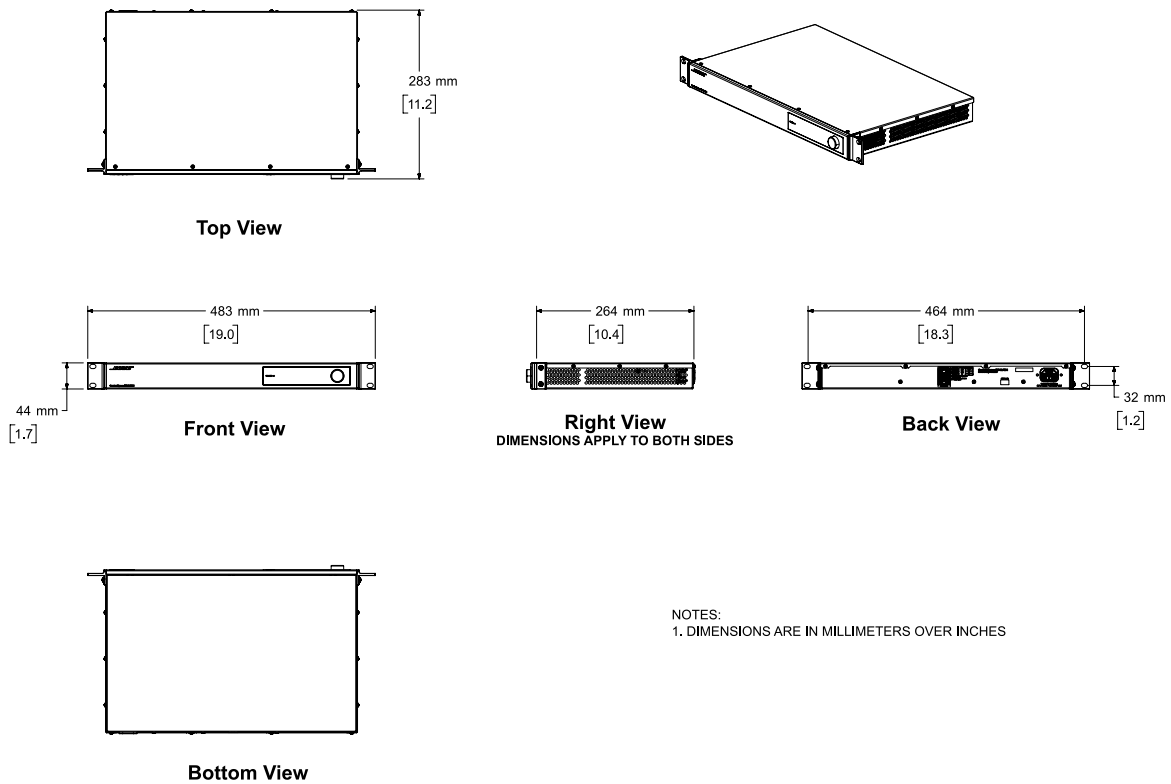
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- 1 **Front-panel OLED Display and Encoder** – 256 x 64 display for metering and network info. Rotary/press knob for IP setup



- 2 **ControlSpace Network Port** – ControlSpace/Dante secondary when configured for redundant mode
- 3 **Dante Network Port** – ControlSpace/Dante Primary by default



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Product Codes

ControlSpace EX-12AEC conferencing processor

US-120V	834316-1110
EU-230V	834316-2110
JP-100V	834316-3110
UK-230V	834316-4110
AU-240V	834316-5110

Accessories

ControlSpace EX-UH USB/Headset Dante endpoint	771784-0110
ControlSpace EX-4ML 4-ch mic/GPIO Dante endpoint	771783-0110
ControlSpace EX-8ML 8-ch mic/GPIO Dante endpoint	772045-0110

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Dante is a registered trademark of Audinate Pty Ltd. For additional specifications and application information, please visit [BOSEPROFESSIONAL.COM](https://www.boseprofessional.com).
Specifications subject to change without notice. 08/2023