

AxC-AE8IO interface card

The high-performance analog I/O card with Euroblock connectors

AxC-AE8IO was designed for high-power sound reinforcement systems : within the Audio ToolBox range, the **AxC-AE8IO** can equally be used in **AVBx3** or **AVBx7** platforms. AxC-AE8IO provides eight channels of high-end analog input/output with Euroblock connectors. AxC-AE8IO combines high-performance AD and DA converter chips with an excellent circuit design in a format of one AxC card for high-end fixed installation applications.

Key Features

4 analog audio inputs and 4 analog outputs on one AxC card for the AuviTran Audio ToolBox platform

High performance balanced inputs and outputs on the same AxC card for high end professional fixed installation

Dynamic range > 112 dB (A-weighted)

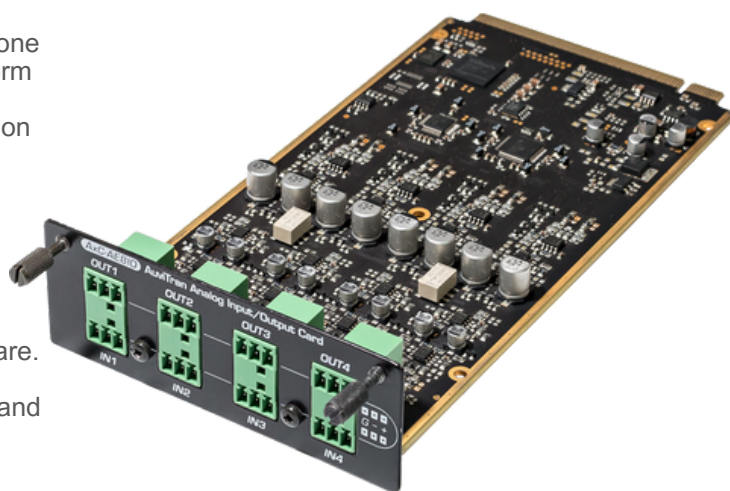
THD +N < -98 dB

Euroblock connectors for fixed installation

Remote management with AVS-Monitor software.

Dedicated **control page** for remote monitoring and controlling all the card parameters

Individual **gain control** for inputs and outputs



Audio ToolBox Platform Overview

Smart, expandable, and sustainable: meet AuviTran's versatile and flexible platforms that brings convergence among network technologies and audio interfaces.

With two 19" rack chassis **AVBx7** and **AVBx3** both available in StageBox or Installation modes, plus 20 interface cards, build the configuration you need.

AVBx3 in Installation Mode



AVBx7 in StageBox Mode



AxC-AE8IO Applications

This audio interface perfectly meets the constraints of **high power sound reinforcement systems** for professional audio applications, thanks to an internal smart design that avoids loud noises during start-up and cut-off.

Fine level calibration as required in many applications in professional audio systems is made possible:

a **0.5 dB** step digital attenuator/gains from -115dB to +12dB and two hardware reference level pads of +10 dBu or +24 dBu are fully controllable via software.

Attenuation-gain setting and **vu-meter** can be monitored and controlled individually per channel via network for a remote management from virtually anywhere.

Technical Specifications

General

Power Supply

+12V / +3.3V - Through AuviTran Audio ToolBox backplane

Temp/Humidity

Storage: - 5°C to 70°C / 0% to 95% (non-condensing)

Operating: 0 °C to 50°C / 5% to 90% (non-condensing)

Connectors

4x3 pole double row
Euroblock connector
(pitch 3.81mm)
for analog inputs and outputs

Audio Inputs and Outputs

Number of Inputs

Up to 4 analog inputs routed through the AuviTran Audio ToolBox backplane to other cards

Number of Outputs

Up to 4 analog outputs routed through the AuviTran Audio ToolBox backplane from other cards

Audio Inputs Specifications

Sampling Frequency

44.1 kHz / 48 kHz / 88.2 kHz / 96 kHz

A/D Resolution

24 bits

Frequency Response

20Hz – 20kHz (±0.1 dB)

Dynamic Range (BW 22KHz)

>112 dB A-weighted
(> 109 dB un-weighted)

THD+N (1KHz / BW 22KHz)

< -98 dB

Input Specification

Balanced analog on EuroBlock, 10kΩ
Input Impedance (differential)

Input Level Pad for 0dBfs

+24dBu or +10dBu configurable by software via network

Input Volume Control

+10dB to -115dB with 0.5 dB step
digital control by software via network
with click and
plop free management

Input phase

Phase inversion configurable by software via network

Audio Outputs Specifications

Sampling Frequency

44.1 kHz / 48 kHz / 88.2 kHz / 96 kHz

D/A resolution

24 bits

Frequency Response

20Hz – 20kHz (±0.15dB)

Dynamic Range (BW 22KHz)

>112 dB A-weighted (> 109 dB un-weighted)

THD+N (1KHz / BW 22KHz)

< -98 dB

Output Specification

Balanced analog on EuroBlock, < 100Ω Output Impedance
differential

Output Level Pad for 0dBfs

+24dBu or +10dBu configurable by software via network

Output Volume Control

+10dB to -115dB with 0.5 dB step
digital control by software via network with click and plop free management.
Plop free mute, automatic mute in case of continuous signal or manageable by software via network

Output Phase

Phase inversion configurable by software via network

Control and Monitoring Environment

Audio ToolBox Platform

AxC-AE8IO is one the cards for the AuviTran Audio ToolBox platform.

AVS-Monitor

AVS-Monitor is a free Windows software that allows for the remote control and monitoring of all AuviTran devices, including all the AxC cards, as well as some Digigram PCIe interfaces cards.

Note that the routing on each AoIP network must be configured from the appropriate applications (Dante Controller, Hive, Milan Manager, Anemann, etc.).

OS Supported

Windows 10/11

Part Number

AxC-AE8IO

AuviTran Audio ToolBox 4 analog inputs and 4 analog outputs card with Euroblock connectors

Mechanical Specifications

200 x 100 x 40 mm: AuviTran Audio ToolBox platform AxC card format

Where to use it?

Installed sound

Stadiums, concert halls, exhibitions venues, conference centres, Theatres, bars, pubs and discos.

Public Address and paging

Museums, theme parks, resorts, transportation terminals.

Broadcast

Studios and recording studios, live broadcast and OB vans.