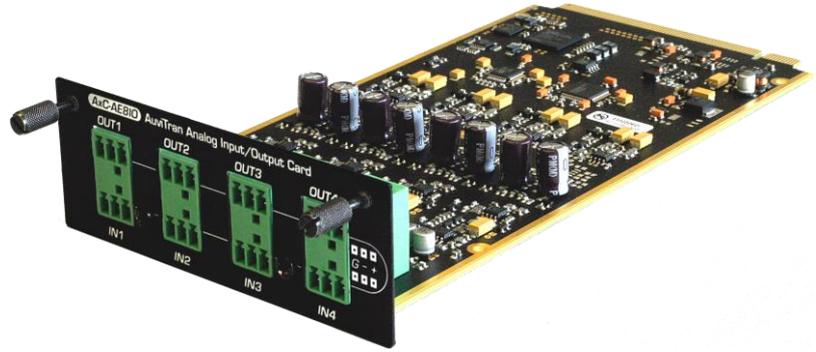## AxC-AE8IO Overview

Just as every AxC card within the Audio ToolBox range, the AxC-AE8IO can equally be used in AVBx3 or AVBx7 platforms.

AxC-AE8IO provides eight channels high-end analog input/output with Euroblock connectors.

The 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.
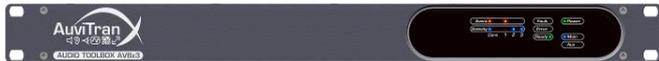
Key Features

- 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 through the EtherSound Network.

- 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 bringing convergence among network technologies and audio interfaces.
With two 19" rack chassis AVBx3 and AVBx7 both available in StageBox or Installation modes, plus 14 interface cards, build the configuration you need.

AVBx3 as Installation mode

AVBx7 as StageBox mode

Mechanical Specifications

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

AxC-AE8IO Applications

- Two AxC-AE8IO card inserted in an AVBx3-ES100 enable to build 1U 19" unit with high performance 8 analog inputs + 8 analog outputs for professional high end fixed installations.

- 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.

- Stadiums, concert halls, exhibitions venues and conference centres.

- Public Address and paging systems in museums, theme parks, resorts, transportation terminals.

- Broadcast studios, live broadcast and OB vans.

- Theatres, bars, pubs and discos.

- Recording studios.

4 analog inputs and 4 analog outputs card for AuviTran Audio ToolBox

AVS-Monitor Software control page

Technical Specifications

General

Size	200 mm x 100 mm x 40 mm —AuviTran Audio ToolBox platform cards format
Power Supply	+12V / +3.3V - Through AuviTran Audio ToolBox backplane
Storage: Temp/Humidity	- 5°C to 70°C / 0% to 95% (non-condensing)
Operating: Temp/Humidity	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	Sampling Frequency
D/A resolution	D/A resolution
Frequency response	Frequency response
Dynamic Range (BW 22KHz)	Dynamic Range (BW 22KHz)
THD+N (1KHz / BW 22KHz)	THD+N (1KHz / BW 22KHz)
Output Specification	Output Specification
Output level pad for 0dBfs	Output level pad for 0dBfs
Output volume control	Output volume control
Output phase	Output phase

Integration Environment

Audio ToolBox platform	AxC-AE8IO is one the cards for the AuviTran Audio ToolBox platform
AVS-Monitor	AVS-Monitor enables to remotely set, control and monitor an EtherSound network and provides enhanced control pages to manage the AxC-AE8IO card specific parameters.
OS Supported	Windows Seven/Vista/XP for 32 or 64 bit versions

Part number

AxC-AE8IO	AuviTran Audio ToolBox 4 analog inputs and 4 analog outputs card with Euroblock connectors

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