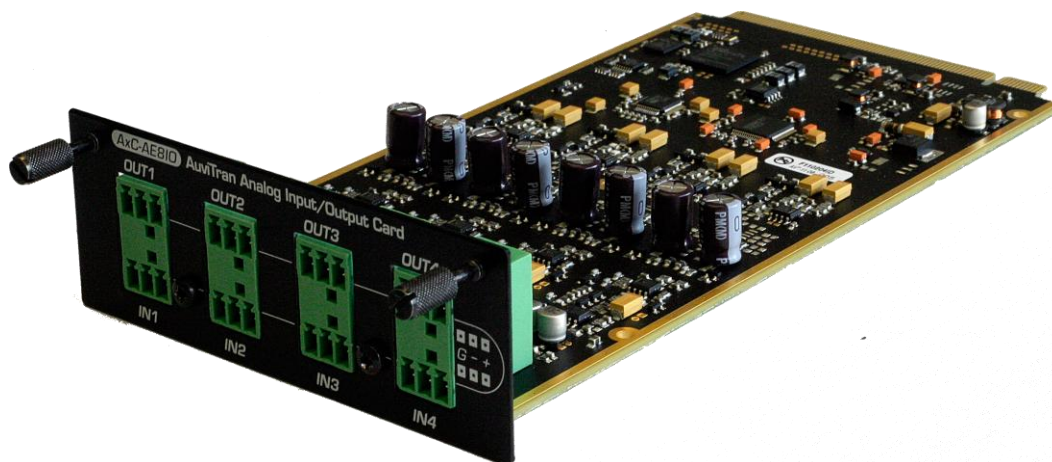## Key features

- 8 audio inputs and outputs interface card for the AuviTran Audio ToolBox platform

- Up to four quality analog balanced inputs and four quality analog balanced outputs on one card

- Euroblock connectors

- Remote management with ESMonitor software through the EtherSound Network.

- Dedicated control page for monitoring and controlling all the card parameters

- Individual gain control for inputs and outputs

AuviTran Audio Toolbox in brief

AuviTran Audio ToolBox is a modular audio platform giving access to a large variety of professional audio networked configurations.

With a 1U rack chassis and different audio interface cards, you can build the configuration you need:

- EtherSound interface
- MADI interface
- Analog inputs or outputs XLR connectors
- Analog inputs/outputs Euroblock connectors
- Mic preamp inputs
- AES/EBU inputs/outputs
- GPI/GPO interface
  ….

Applications

- Product for fixed installation with high quality Audio distribution, paging and zone management:
  - Stadium, museum and arts centre
  - Opera, theatre dressing room
  - Theme parks and resorts
  - Public Address: fixed sound reinforcement
  - Bars, pubs, discos
  - Exhibition and conference Centres
  - Security, voice alarm system
  - Exhibition and conference Centres

- Product for Transportation public address
  - Train and bus stations terminals
  - Airport facilities and audio distribution
  - Cruise Ships including onboard entertainment
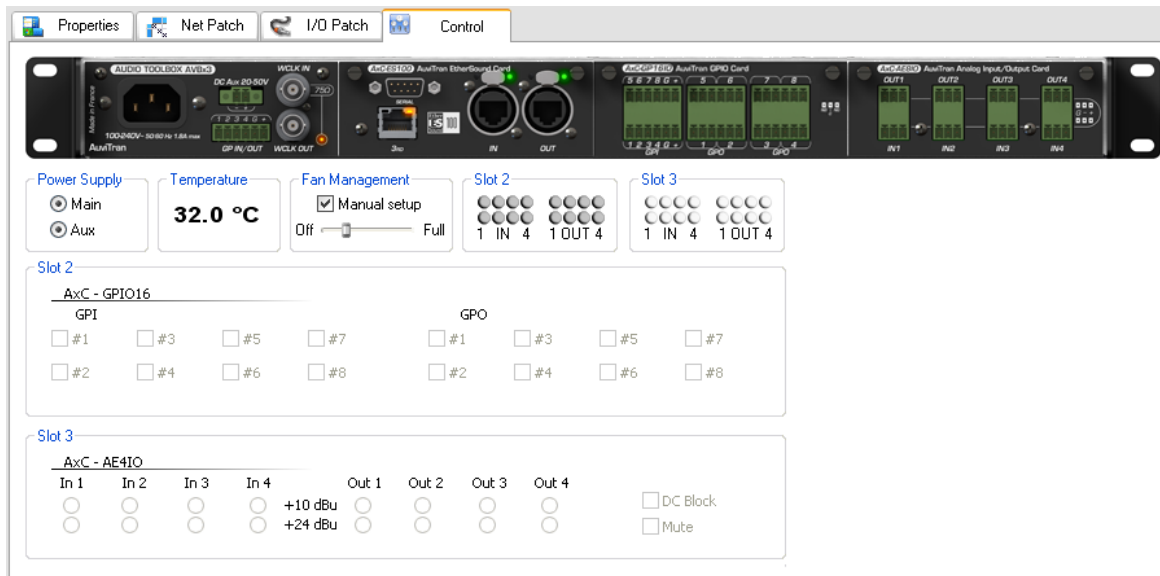 - Paging system for music and announcements

Mechanical Specifications

200 x 100 x 40 mm
AuviTran Audio ToolBox platform format

Audio Distribution over Standard Ethernet: EtherSound™ enhances established technologies to provide easy-to-implement, high-quality audio networks. The patented EtherSound™ protocol provides fully deterministic, very low-latency (125µs plus 1.4µs per additional network node) transmission of synchronized audio channels over standard Ethernet. EtherSound™ provides a cost effective fully digital path between a virtually infinite number of networked audio devices with up to 128 channels of 24-bit digital audio at 48 KHz, with bi-directional status and control data. Off-the-shelf Ethernet components such as 100baseTX switch can be used to extend the number of audio devices, as well as the distance between the devices on the network.

A u v i T r a n
AxC-AE8IO
AuviTran Audio ToolBox card – 8 x analog inputs/outputs with Euroblock connectors

ESMonitor Software control page

Preliminary version, subject to change

Technical Specifications

General	
Size	200 mm x 100 mm x 40 mm – Format AuviTran Audio ToolBox platform cards
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 the other cards
Number of outputs	Up to 4 analog outputs routed through the AuviTran Audio ToolBox backplane from the other cards

Audio Inputs Specifications	
Sampling Frequency	44.1 kHz / 48 kHz
A/D resolution	24 bits
Frequency response	20Hz – 20kHz (-0.4dB / +0.0dB)
Dynamic Range (BW 22KHz)	> 105 dB (UnWeighted)
THD+N (1KHz / BW 22KHz)	< -95 dB
Input Specification	Balanced analog, +24dBu / +10dBu sensibility (digitally controlled) for full scale, 10kΩ Input Impedance (differential)

Audio Outputs Specifications	
Sampling Frequency	44.1 kHz / 48 kHz
D/A resolution	24 bits
Frequency response	20Hz – 20kHz (-1.1dB / -0.3dB)
Dynamic Range (BW 22KHz)	> 105 dB (UnWeighted)
THD+N (1KHz / BW 22KHz)	< -95 dB
Output Specification	Balanced +24dBu / +10dBu level (digitally controlled) at full scale, <100Ω Output Impedance, 119.5dB/0.5dB step digital attenuator, digital automatic mute @ zero-data, software phase inversion, plop-free outputs mute

Integration Environment	
Audio ToolBox platform	AxC-AE8IO is one the cards for the AuviTran Audio ToolBox platform
AVS-ESMonitor	AVS-ESMonitor 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 card with 4 analog inputs and 4 analog outputs (Euroblock connectors)