

### AxC-AX4I Overview

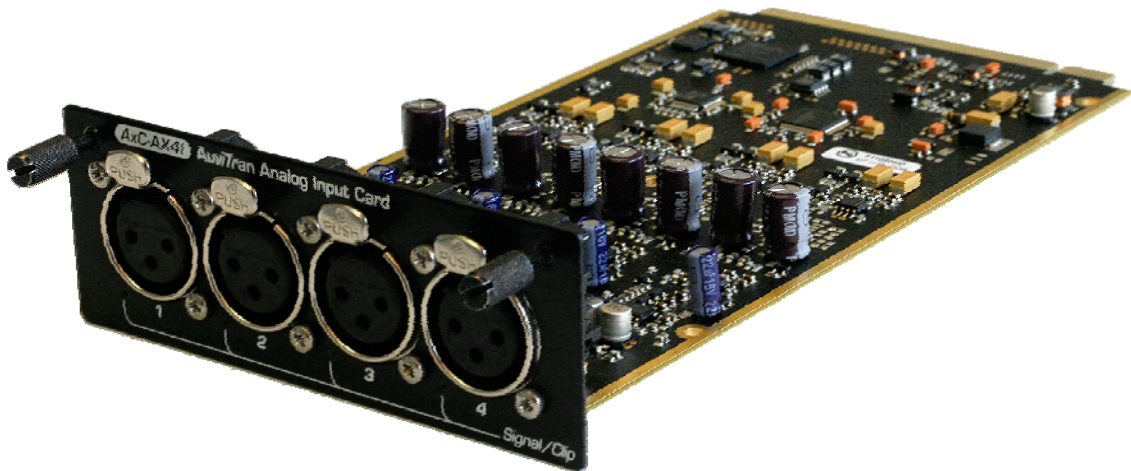
AxC-AX4I is a four channels high-end analog input AxC card with XLR connectors for the AuviTran Audio ToolBox platform.

The device combines high-performance AD converter chips with an excellent circuit design in a format of one AxC card.

The AxC-AX4I offers an AD conversion for high end audio professional applications.

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. It enables fine level calibration for answering to a large kind of applications in professional audio systems.

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



### Audio ToolBox Platform Overview

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

With a 19" rack chassis and many audio interface cards, you can build the configuration you need.

AVBx3 is the first AuviTran Audio ToolBox platform. It is a 19 inches rack (1U) chassis, providing three slots for AuviTran AxC interface cards.

The AVBx3 integrates an audio backplane and matrix connecting all inputs / outputs (physical and network).

Many AxC cards are already available for answering to a wide range of applications.



### Key features

- 4 analog audio input interface card for the AuviTran Audio ToolBox platform
- 4 high quality balanced inputs
  - ◆ Dynamic range > 115 dB (A-weighted)
  - ◆ THD +N < -100 dB
- Professional XLR female connectors
- Remote management with ESMonitor software through the EtherSound Network.
- Dedicated control page for monitoring and controlling all the card parameters
- Individual gain control of each input

### Mechanical Specifications

200 x 100 x 40 mm

AuviTran Audio ToolBox platform AxC card format

### AxC-AX4I Applications

Up to two AxC-AX4I cards can be inserted in an AVBx3-ES100 for two kinds of application:

- Live applications (AVBx3 in Stage-box mode)



- ◆ Live concerts and recording
- ◆ Live broadcast studios and OB Vans
- ◆ Recording studios...

- Fixed installations (AVBx3 in Installation mode)



- ◆ Stadiums, concert halls
- ◆ Theatres, bars, pubs discos

ESMonitor Software control page



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                 | 4 x female XLR connectors  |

| Audio Inputs  |  |
|---------------|--|
| Number of i/o | Up to 4 analog inputs routed through the AuviTran Audio ToolBox backplane to the 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 (± 0.1dB)   |
| Dynamic Range (BW 22KHz)    | >115 dB A-weighted (> 112 dB un-weighted)  |
| THD+N (1KHz / BW 22KHz)     | < -100 dB  |
| Input specification         | Balanced analog on XLR connectors , 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   |

| Integration Environment |   |
|-------------------------|---|
| Audio ToolBox platform  | AxC-A4XI 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-A4XI card specific parameters. |
| OS Supported            | Windows Seven/Vista/XP for 32 or 64 bit versions  |

Part number

AxC-AX4I      AuviTran Audio ToolBox 4 input card with XLR connectors

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