

## AxC-AS16Mo interface card

### A high-density card with 8 mic/line inputs and 8 line outputs

Like all other cards within the Audio ToolBox range, the **AxC-AS16Mo** can be used in either the **AVBx7** or **AVBx3** platforms.

Using only one slot of the Audio ToolBox, the **AxC-AS16Mo** provides 8 high-end Mic/Line input (both line and microphone level) plus 8-line outputs with an incredible density for the AuviTran Audio ToolBox platform.

### Key Features

8 balanced mic/line + high quality preamps:

- **Input sensibility** +24dBu to -56dBu
- **Analog gain range:** 0 to +80dB (0.5dB step)
- **E.I.N.** < -126dBu Dynamic range > 115dB
- **THD+N** < -90 dB

Phantom power **+48V**, individually controllable for each input

A linear **0.5 dB** step digital attenuator/gain gives access to an input sensibility from **-56dBu** to **+24dBu**

**+48V** phantom power activation per channel, preamp value setting

8 high quality balanced outputs with **Dynamic range** > 112 dB and THD+N < -90 dB

**Remote management** with AVS-Monitor software

**Individual gain control** of each output

An internal **smart design** that reduces loud noises during start-up and shutdown, meeting the usage constraints of high-power sound reinforcement systems

2 **Sub-DB25** female connectors



### 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-AS16Mo Applications

Suitable for all professional applications that request large numbers of high-quality Mic/Line inputs with a reduced size:

Featuring extensive capacity of high performance **microphones** and line **preamplification**,

High class AD converter chips and excellent circuit design

These card sets a new quality, price, density ratio standards for **professional audio applications**

**Attenuation/gain settings** and **vu-meter** can be controlled and monitored individually per channel via network for a remote management from virtually anywhere using AVS-Monitor via IP, Dante, AVB or EtherSound Networks

Individual gains and +48V phantom activation remote controls are manageable by **Yamaha HA** remote protocol enabling direct control and monitoring from Yamaha console/mixer

### 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

2x female DB25 connectors with Yamaha pinout  
Optional: DB25 to Euro-Block plug available

#### Audio Inputs Specifications

##### Number of Inputs

8 Mic/line inputs

##### Sampling Frequency

44.1kHz, 48kHz, 88.2kHz or 96kHz

##### ADC Resolution

24 bits

##### Input Specification

Balanced Mic/line

##### Input Maximum Level

+24 dBu

#### Audio Inputs MIC / Line Technical Specifications

##### Analog Gain Range

0 to +80dB (0.5 dB step)

##### Input Sensibility

+24dBu to -56dBu

##### Input Impedance

2,7 kΩ (differential)

##### E.I.N. @ (Rs=150Ω G=+80dB)

-126dBu

##### Dynamic Range

> 115dB A-weighted (> 112dB un-weighted)

##### THD+N (1KHz)

< -90 dB

##### Frequency response

20Hz – 20kHz (+/- 0.2dB)

##### Phantom Power

+48 V (individually controllable for each channel)

#### Audio Outputs Specifications

##### Number of Outputs

8 analogue outputs

##### Sampling Frequency

44.1kHz, 48kHz, 88.2kHz or 96kHz

##### D/A Resolution

24 bits

##### Frequency Response

20Hz – 20kHz (±0.2dB)

##### Dynamic Range (BW 22KHz)

>112dB A-weighted (>110 dB un-weighted)

##### THD+N (1KHz / BW 22KHz)

< -90 dB

##### Output Specification

balanced on DB-25 connectors, <100Ω Output Impedance

##### 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. Digital automatic mute @ zero-data with plop-free output mute

##### Output Phase

Phase inversion configurable by software via network

#### Control and Monitoring Environment

##### Audio ToolBox Platform

AxC-AS16Mo are high density 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-AS16MO

AuviTran 16 high density mic/line inputs/outputs card with 2x Sub-DB25 female connectors

#### AxP-DSX8F

Optional cable with Sub-DB-25 to 8x female XLR3 for input DB25

#### AxP-DSX8M

Optional cable with Sub-DB-25 to 8x male XLR3 for output DB25

#### AxP-S8E

Optional Sub-DB-25 male plug towards 8x 3-pole Euroblocks

### Mechanical Specifications

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