

AxC-AS16M interface card

The 16-channel microphone/line input card with high-quality preamps

Like all other cards within the Audio ToolBox range, the **AxC-AS16M** can be used in either the **AVBx7** or **AVBx3** platforms. Using only one slot of the Audio ToolBox, the AxCAS16M provides 16 high-end Mic/Line input (both line and microphone level) with an incredible density for the AuviTran Audio ToolBox platform.

Key Features

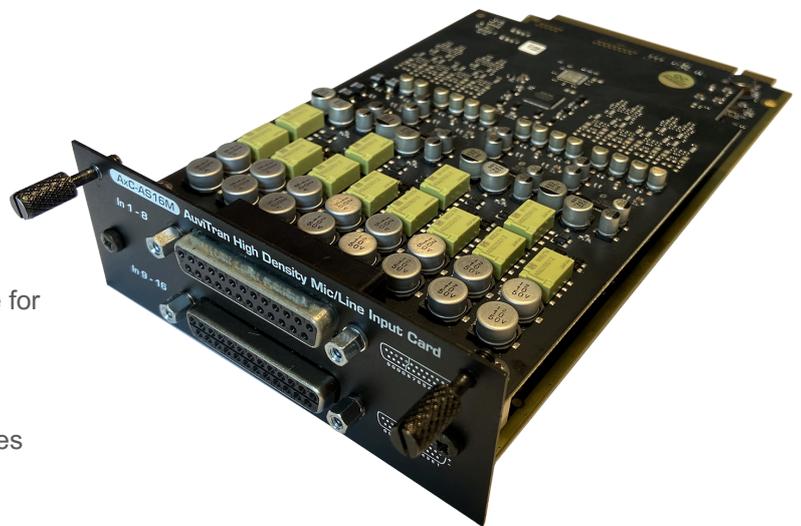
16 balanced mic/line + high quality preamps
Input sensibility +24dBu to -56dBu
Analog gain range: 0 to +80dB (0.5dB step)
E.I.N. < -126dBu
Dynamic range > 115dB
THD+N < -90 dB

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

2 **Sub-DB25** female connectors

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



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-AS16M 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

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

Dedicated **control page** for monitoring and controlling all the card parameters (gain, phantom power on each channel, preamp values, vu-meter)

AVS-Monitor Software Control Page



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

16 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)

Control and Monitoring Environment

Audio ToolBox Platform

AxC-AS16M 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-AS16M

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

AxP-DSX8F

Optional cable with Sub-DB-25 to 8x female XLR3 for AxC-AS16M card

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