

AxC-AX4M interface card

The high-performance microphone/line inputs card for professional applications

Four high performance microphones and line pre-amplification, high class AD converter chips and excellent circuit design, the AxC-AX4M card sets a new quality/price ratio standard for Live or Installed applications. **AxC-AX4M** can equally be used in **AVBx3** or **AVBx7** platforms, using one slot only. AxC-AX4M provides four high-end analog inputs (both line and microphone level) with professional XLR connectors for the AuviTran Audio ToolBox platform.

Key Features

4 microphone / line high performance preamps inputs card

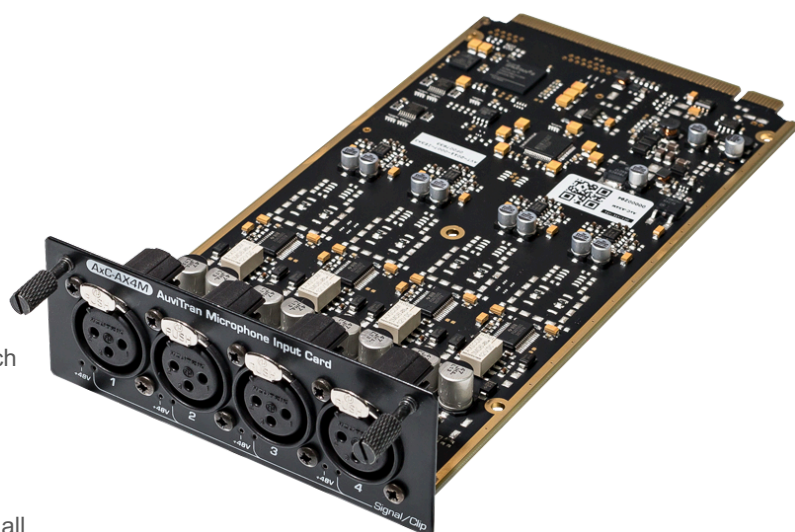
4 high quality balanced inputs with high class preamps
Input sensibility +24 dBu to -55 dBu
Analog gain range: 0 to +79 dB (0.5 dB step)
E.I.N. @ (Rs=150Ω G=+55dB): -127 dBu
Dynamic range (line level) > 115 dB (Aweighted) ☐
THD +N (line level) < -101 dB

Phantom power +48V, individually controllable for each input

Professional **XLR** female connectors

Remote management with AVS-Monitor software

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



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 20 interface cards, build the configuration you need.

AVBx3 as Installation mode



AVBx7 as StageBox mode



AxC-AX4M Applications

Featuring four high performance microphones and line pre-amplification, high class AD converter chips and excellent circuit design, the AxC-AX4M card sets a new quality/price ratio standard for professional applications.

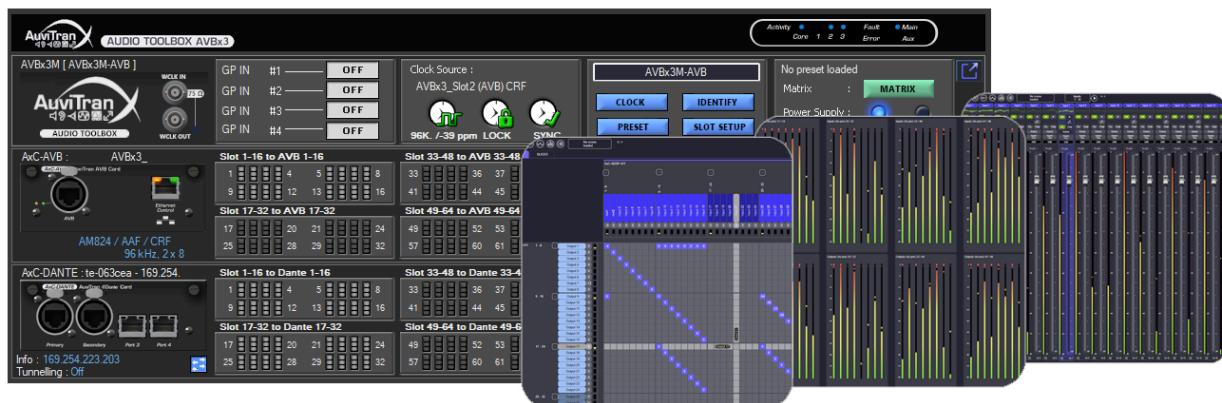
A linear **0.5 dB** step digital attenuator/gain gives access to an input sensibility from **-55 dBu** to **+24 dBu**.

+48V phantom power activation per channel, preamp value setting, attenuation/gain setting and vu-meter can be monitored and controlled individually per channel via network for a remote management from virtually anywhere.

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

AxC-AX4M cards can be inserted in an AVBx3/7 for **live applications** (concerts, recording, broadcast) or **fixed installations** (stadiums, concert halls, theatres).

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

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

Input Specification

Balanced analog on XLR connectors

Input maximum level

+24 dBu

Audio Inputs MIC / Line Technical Specifications

Analog Gain Range

0 to +79 dB (0.5 dB step)

Input sensibility

+24 dBu to -55 dBu

Input Impedance

2,7 kΩ (differential)

E.I.N. @ (Rs=150Ω G=+55dB)

-127 dBu

(fs=48KHz & BW 22KHz)

Dynamic Range

> 115 dB A-weighted (> 112.5 dB un-weighted)
(fs=48KHz & BW 22KHz)

THD+N (1KHz / G=0dB or G=+25dB)

< -101 dB

(fs=48KHz & BW 22KHz)

Frequency Response

20Hz – 20kHz (-0,3 / 0 dB)

Phantom Power

+48 V (individually controllable for each channel)

Control and Monitoring Environment

Audio ToolBox pPlatform

AxC-A4XM is one the 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

Mechanical Specifications

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

Part Number

AxC-AX4M

AuviTran Audio ToolBox 4 mic/line inputs card with XLR connectors