

AxC-AS16o interface card

16 High Density Analog Output card for AuviTran Audio ToolBox

Like all other cards within the Audio ToolBox range, the **AxC-AS16o** can be used in either the **AVBx7** or **AVBx3** platforms.

16 channels of high-density analog output AxC cards with DB-25 connectors combining high performance DA converter chips in an incredible compact size for high-end audio professional applications

Key Features

16 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

A 0.5 dB step digital attenuation-gain, all fully controllable via software to enable fine tuning for addressing a large kind of applications in professional audio 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-AS16o Applications

Suitable for all professional applications that request large numbers of high-quality analog outputs with a reduced size:

Featuring extensive capacity of high performance **analog line output**, high class DA converter chips and excellent circuit design

These cards set a new quality, price, density ratio standards for **professional audio applications**

Dedicated control page for monitoring and controlling all the card parameters (gain, mute, phase, level on each channel, vumeter)

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

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 Outputs
Number of outputs
16 analog outputs through the AuviTran Audio ToolBox backplane from the other cards.

Audio Outputs Specifications
Sampling Frequency
44.1 kHz / 48 kHz / 88.2 kHz / 96 kHz

Sampling Resolution
24 bits

Output Impedance
< 100Ω differential

Output Specification
Balanced on DB-25 connectors

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 pop free management. Digital automatic mute @ zero-data with pop-free output mute

Output Phase
Phase inversion configurable by software via network

Control and Monitoring Environment
Audio ToolBox Platform
AxC-AS16o are high density output 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-AS16o
AuviTran 16 high density analog outputs card with 2x Sub-DB25 female connectors

AxP-DSX8M
Optional cable with Sub-DB-25 to 8x male XLR3 for AxC-AS16o card

AxP-S8E
Optional Sub-DB-25 male plug towards 8x 3-pole Euroblocks