

AxC-AS8o / AxC-AS16o Overview

Like all other cards within the Audio ToolBox range, the AxC-AS8o / AxC-AS16o can be used with either the AVBx3 or AVBx7 platforms.

8 or 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.

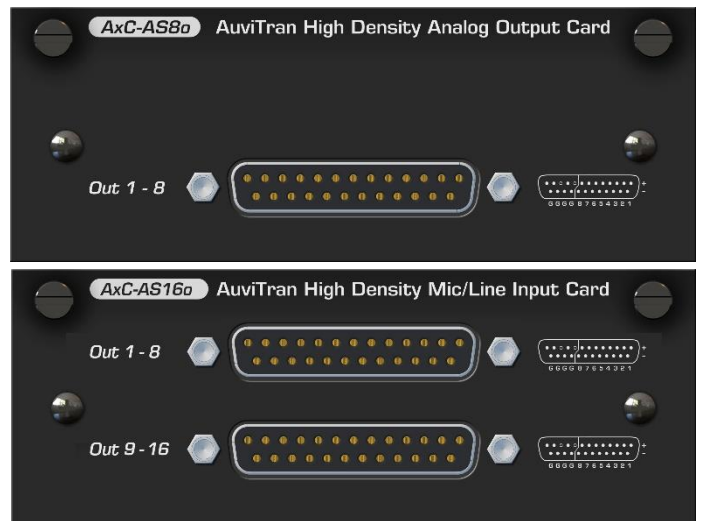
Key Features

- 8 or 16 high quality balanced outputs with Dynamic range > 112 dB and THD+N <-95 dB
- Remote management with AVS-Monitor software through the IP, Dante, AVB or EtherSound Network
- Individual gain control of each output
- An internal smart design that reduces loud noises during start-up and shut-down, 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
- Attenuation-gain settings and vu-meter can be monitored and controlled individually per channel via network for a remote management from virtually anywhere

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 AVBx3 and AVBx7 both available in StageBox or Installation modes, plus 20 interface cards, build the configuration you need.



Mechanical Specifications

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

AxC-AS8o / AxC-AS16o Applications

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

- Live applications
- Broadcast studios and OB Vans
- Recording studios
- Fixed audio corporate installations
- Stadiums, concert halls
- Theatres, bars, pubs discos

Technical Specifications

General

Size	200 mm x 100 mm x 40 mm – AuviTran Audio ToolBox platform cards format
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	1x or 2x female DB-25 connectors (Yamaha pinout)

Audio Outputs

Number of outputs	16 analog outputs
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Audio Outputs Specifications

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)	< -96 dB
Output Specification	balanced on DB-25 connectors, <100Ω Output Impedance
Output level pad for OdBfs	+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-AS8o / AxC-AS16O is one the cards for the AuviTran Audio ToolBox platform
AVS-Monitor	AVS-Monitor enables to remotely set, control and monitor an EtherSound network and provides enhanced control pages to manage the AxC-AS8o / AxC-AS16O card specific parameters.
OS Supported	Windows 10 for 32-64-bit versions

V1.1-022020

Part number

- AxC-AS8o** AuviTran 8 high density analog output card with 1x DB-25 connectors
- AxC-AS16o** AuviTran 16 high density analog output card with 2x DB-25 connectors