

Overview

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

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

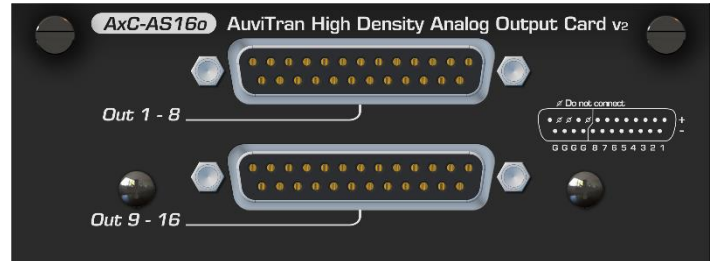
Key Features

- 16 high quality balanced outputs with Dynamic range > 112 dB and THD+N <-90 dB
- Remote management with AVS-Monitor software 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 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.



Mechanical Specifications

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

Applications

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

- Featuring extensive capacity of high-performance analogue 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.
- 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
- Dedicated control page for monitoring and controlling all the card parameters (gain, mute, phase, level on each channel, preamp values, vu-meter)

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	2x female DB-25 connectors Optional: DB25 to Euro-Block plug available

Audio Outputs

Number of outputs	16 analogue 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)	< -90 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-AS16o are high density output 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 10/11 for 32-64-bit versions

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Part number

AxC-AS16o	AuviTran 16 high density analogue output card with 2x Sub-DB-25 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