

#### AxC-AS8M/AxC-AS16M Overview

Like all other cards within the Audio ToolBox range, the AxC-AS8M/AxC-AS16M can be used in either the AVBx3 or AVBx7 platforms.

Using only one slot of the Audio ToolBox, the AxC-AS8M/AxC-AS16M provides 8 or 16 high-end Mic/Line input (both line and microphone level) with an incredible density for the AuviTran Audio ToolBox platform.

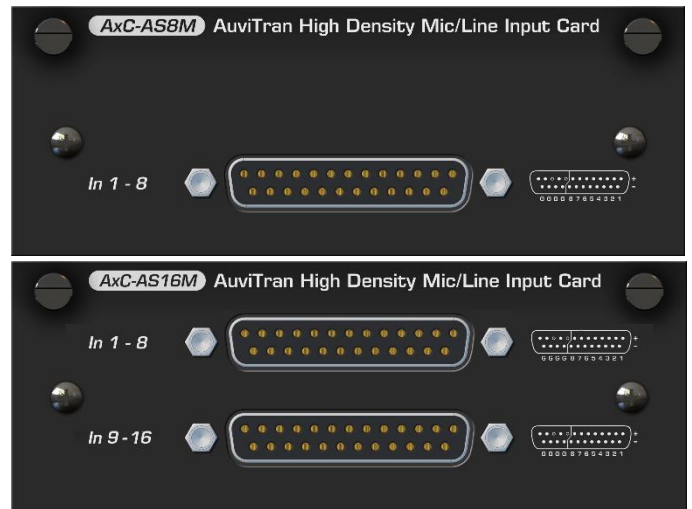
#### Key Features

- 8 or 16 microphone/line high density inputs card
- 8 or 16 balanced mic/line + high quality preamps
  - ◆ Input sensibility +24dBu to -56dBu
  - ◆ Analog gain range: 0 to +80dB (0.5dB step)
  - ◆ E.I.N. < -127dBu
  - ◆ Dynamic range > 11dB
  - ◆ THD+N < -95 dB
- Phantom power +48V, individually controllable for each input
- 1 or 2 DB25 female connectors
- Remote management using AVS-Monitor via IP, Dante, AVB or EtherSound Network.
- 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 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-AS8M/AxC-AS16M Applications

Suitable for all professional applications that request large numbers of high-quality Mic/Line inputs with a reduced size:

- Featuring 8/16 high performance microphones and line pre-amplification, high class AD converter chips and excellent circuit design
- AxC-AS8M/AxC-AS16M card sets a new quality, price, density ratio standards for professional audio applications.
- 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,
- Attenuation/gain settings and vu-meter can be controlled and monitored 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

**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 DB25 connectors (Yamaha pinout)
Audio Inputs	
Number of inputs	8 or 16 Mic/line inputs
Audio Inputs Specifications	
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 +79dB (0.5 dB step)
Input sensibility	+24dBu to -64dBu
Input Impedance	2,7 kΩ (differential)
E.I.N. @ (Rs=150Ω G=+55dB)	-126dBu
Dynamic Range	> 115dB A-weighted (> 113dB un-weighted)
THD+N (1KHz)	< -95 dB
Frequency response	20Hz – 20kHz +/- 0.2dB)
Phantom Power	+48 V (individually controllable for each channel)
Integration Environment	
Audio ToolBox platform	AxC-AS8M/AxC-AS16M is one the cards for the AuviTran Audio ToolBox platform
AVS-Monitor	AVS-Monitor enables to remotely set, control and monitor an IP, Dante, AVB network and provides enhanced control pages to manage the AxC-AS8M/AxC-AS16M card specific parameters.
OS Supported	Windows 10 for 32-64-bit versions

V1.1-022020

**Part number**

<b>AxC-AS8M</b>	AuviTran 8 high density mic/line inputs card with 1x DB25 connectors
<b>AxC-AS16M</b>	AuviTran 16 high density mic/line inputs card with 2x DB25 connectors