

AxC-AES67 Series

Bridge low latency and expanded AES67 connectivity to your system

Product Sheet

Used in either AVBx3 or AVBx7 Audio ToolBox platforms, the AxC-AES67-64 or AxC-AES67-128 connect AES67 networks with any other audio or network protocol in the rack, expanding your capacities to build and bridge audio networks.

Key benefits

- **Secure and protect your media streaming** thanks to the Out of Band management
- **Increase the reliability of your AoIP infrastructure** thanks to the compliance with ST2022-7
- **Activable Switch mode** enabled by the 4 Ethernet ports
- **Very high MTBF (>100 ans)**
- **Easy integration within NMS applications** thanks to NMOS IS-04 & IS-05 support



Applications

Cinema & Movie screening

Bridge between AES67 Dolby Atmos and Dante/AVB/MADI

Production studio & Broadcast

Bridge and physically separate the AES67 ST2110 to the Analog/MADI/Dante networks

Live & Entertainment

Bridge between Live AES67 consoles to the Analog/AVB/Dante networks

Main Features

Full compliance with **AES67**, **RAVENNA** and **ST2110-30**, **ST2022-7**

Full fallback analog or digital

2 versions

- **64** input and **64** output channels at 48kHz
- **128** input and **128** output channels at 48kHz*

embedded ASRC included for swift and reliable sample rate conversion with a less than 0.1 ms latency

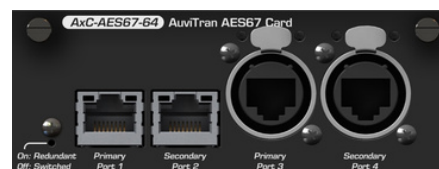
2 EtherCon connectors (Primary / Secondary) for connection in switch or redundant mode

2 Ethernet RJ45 connectors (ports 3 and 4) to be used as integrated gigabit switch ports

Reference Number



AxC-AES67-128



AxC-AES67-64

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 45°C / 5% to 90% (non-condensing)

Connectors

2 x Neutrik EtherCon RJ45-XLR female connectors
2 x RJ45 connectors

Audio Inputs and Outputs

Number of Input and output channels

	AES67-64	AES67-128
44.1kHz / 48 kHz	64 x 64	128 x 128*
88.2 kHz / 96 kHz	32 x 32	64 x 64
176.4 kHz and 192 kHz	16 x 16	32 x 32

Audio streams

Max 64 input streams
Max 64 output streams

**only possible on AVBx7 Touch Control*

Protocols

Compatibility

Full compliance with AES67, RAVENNA and ST2110-30 (Level A, AX, B, BX, C, CX), ST2022-7 (Class A, B, C, D)
PTPv2 Master or Slave, IEEE-1588-2008 standard

Operating Modes

Switch - Integrated gigabit switch
Redundant with Primary and Secondary ports, replicated on ports 3 and 4

Synchronization

Automatic from AES67 network or from Audio ToolBox

Audio sample resolution

16/24/32 bits

Audio sampling frequency

44.1kHz, 48kHz, 88.2kHz, 96kHz

Mechanical Specifications

Format

Dimensions (W x H x D):
200 x 100 x 40 mm (7.9" x 3.9" x 1.6")
AuviTran Audio ToolBox platform AxC card format.

Zoom on embedded ASRC

Maximize your performances with the **ultra-low latency** AuviTran embedded ASRC feature: when two digital interfaces operate in different clock domains, this eASRC delivers **swift and reliable sample rate conversion with a less than 0.1 ms latency** compared to nominal card usage.

Our card **ensures fast and uncompromised audio quality**, regardless of the overall infrastructure.

The **show must go on**, and it will, without missing a beat, as **eASRC integrated functionality** keeps your production running smoothly.

Control & Monitoring



To detect and set up the card in your system, we suggest using any AES67-compatible software. Keep in mind that routing for each AoIP network needs to be configured using the correct application.

AVS-Monitor

For configuration and firmware updates, use AVS-Monitor, AuviTran's free software for Windows (10/11)