AES67, Ravenna, SMPTE ST-2110 PCIe SOUND CARDS

Unlock power and versatility

Thanks to their low-profile format and fanless design, the ALP-AES67 PCIe audio interfaces offer **ultra-robust AES67 connectivity** and **integrate painlessly** into all PCs and servers.
This design ensures exceptional durability, reduced consumption costs, and a commitment to sustainability.

Two versions, same reliability for critical tasks

The **ALP-AES67-64** and **ALP-AES67-128** cards are compatible with **Windows** and **Linux** operating systems, and built on the proven ALP-X architecture.
They guarantee unfailing performance in **radio and TV broadcasting** studios, installations, **live event workflows** and cinemas.

KEY FEATURES

One size fits all

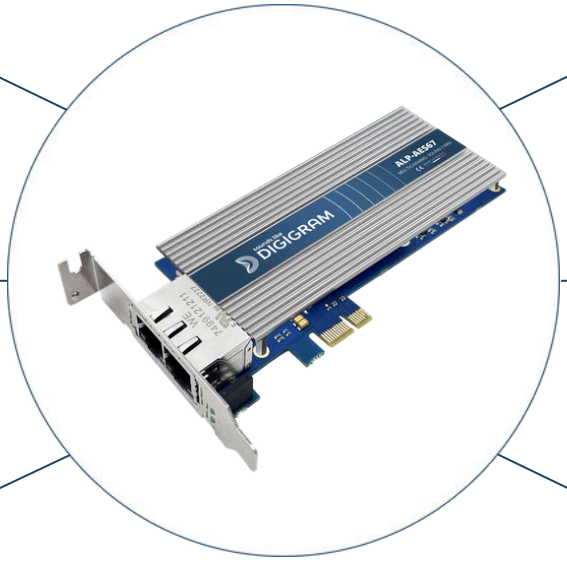
Low profile PCI Express™ x1
(x2, x4, x8, x16 compatible)
Fanless design

Reliable AES67 node

Trustworthy protocol, regardless of PC performances

Versatility

2 or 4 Eth ports for redundancy and switching



Ensure interoperability

Compliant with AES67, Ravenna, SMPTE ST 2110-30 / ST2022-7

Flexible PTP clocking

PTP slave, PTP master, PTP Grand Master

Seamless integration

NMOS IS=04 & IS=05
In-band or out-of-band management

MAIN APPLICATIONS

Audio visual production studios

Provides reliable ST2110 connectivity to workstations and playout and recording servers.

- Multichannel recording
- Multichannel play-out

Live Entertainment

Gives robust high channel count AES67 connectivity to immersive sound processors and multichannel recorders.

- Immersive sound processing
- Real time audio processing

1 FORMAT

Low profile bracket, full-height bracket and additional 2 Ethernet ports expansion card included as standard in the package.

Low Profile
2 Eth ports

Low Profile
4 Eth ports

Full-height Profile
4 Eth ports

Dimensions

L: 168 mm x H: 69 mm x l: 20 mm
L: 6.6 inch; H: 2.7 inch; l: 0.8 inch

L: 168 mm x H: 69 mm x l: 40 mm
L: 6.6 inch; H: 2.7 inch; l: 1.6 inch

L: 168 mm x H: 99 mm x l: 20 mm
L: 6.6 inch; H: 3.9 inch; l: 0.8 inch

2 DRIVERS

Supported OS

- Windows (as of Windows 10 20H2, Server 2019)
- Linux: UBUNTU as of ver. 20, DEBIAN as of ver.10, RHEL as of ver.9

Drivers

- Windows: Asio, Wasapi / DirectSound
- Linux: Alsa

One Driver Package

- Multi-application and multi-card
- API available to access the parameters

3 CONTROL PANEL

Digigram ALP-X ASIO Settings (Windows)

- Asio Control Panel: up to 8 ALP-X cards
- Select I/Os used through Asio
  (others can be used through Wasapi)

Digigram ALP-X Manager (Windows)

- One unified control panel for the whole ALP-X range
- Manages up to 8 ALP-X cards
- Vu-meters, clock frequency
- Firmware update

4 VERSIONS

Two versions

- ALP AES67-64 : 64 in / 64 out
- ALP AES67-128 : 128 in / 128 out

5 SPECIFICATIONS

Network connectivity

- Configurations with 2 network ports
  - 2 x Gbps Eth ports that can be used in redundant mode (ST 2022-7),
  - or in switching mode
- Configuration with 4 network ports
  - Switch mode (the 4 ports are identical)
  - ST 2022-7 mode:
    - 2 pairs of redundant ports,
    - or 1 pair of redundant ports and 2 ports for Out of Band management.

Buffering

- Up to 2000 samples per channel (41.7ms at 48 kHz)

AoIP compliance

- AES67, Ravenna, SMPTE ST 2110-30 (Level A, AX, B, BX, C, CX)
- SMPTE ST 2022-7 (Class A, B, C, D)

Input and output channels

	ALP AES67-64	ALP 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

Sample format

- PCM 16, 24, 32 bits

In band or out of band management

- WEB GUI
- NMOS IS=04 & IS=05
- Aneman & MTDiscovery (Merging Technologies)

MC-037-2 - English version is referenced