AES67, Ravenna, SMPTE ST-2110 PCIe SOUND CARD
Smart and ultra versatile

Open new possibilities with the PCIe ALP-AES67 audio interface: its **low-profile form-factor** design matches all PCs and servers to address applications requiring robust AES67 connectivity. Its **fanless design** reduces consumption for durability and sustainability.
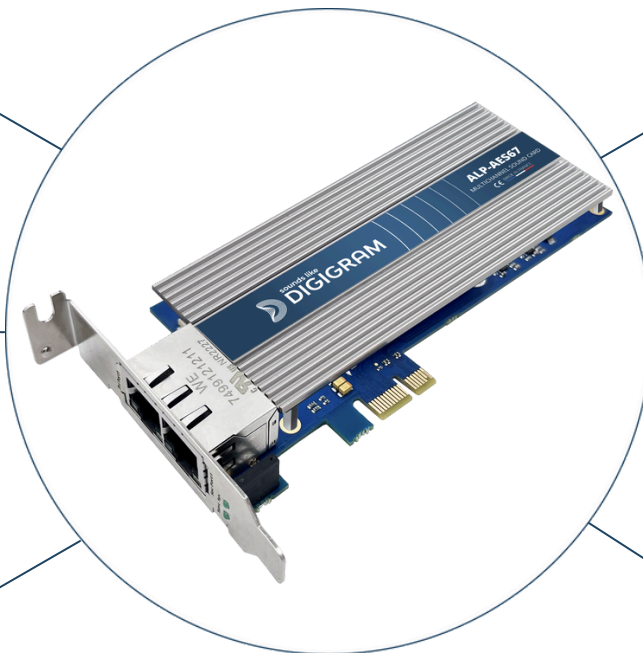
The card's connectivity, combined with 64 channels of playback and 64 recording channels to/from an **AES67 / Ravenna / SMPTE ST-2110 network**, reaches beyond the usual applications to go one step further. ALP-AES67 operates under **Windows or Linux** environments to address various applications. Built on the same reliable and stable architecture as all ALP-X cards, **ALP-AES67 is the perfect match for mission-critical applications where audio is key**: its versatility works wonders in broadcast, public safety, medical, transportation, or countless industry markets.

Low profile PCIe.
Fanless design

Works under Windows and Linux
64 DAW channels

2 or 4 Eth ports for redundancy (ST 2022-07) and switching

Compliant with AES67, Ravenna, and SMPTE ST 2110-30

PTP Grand Master or PTP slave

Management via network:
WEB GUI, Aneman, MTDiscovery
NMOS IS=04 & IS=05

KEY FEATURES

Secure content delivery & ingest:
HW-based permanence of service whatever the applications running on the host PC

Same latency as Digital audio:
Sub-millisecond round trip latency

Seamless migration to IP:
High density, ultra-low latency and phase accurate AoIP / PCI bridge

Ensure interoperability:
full compliance with AES67, RAVENNA, SMPTE ST-2110 & ST-2022-7

**Low Profile
2 Eth ports**

**Low Profile
4 Eth ports**

**Full-height Profile
4 Eth ports**

1 FORMAT

Bus
PCI Express™ x1
(x2, x4, x8, x16 compatible)

Form Factor
Low profile PCIe

Full-height PCIe (with the provided additional full-height bracket)

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: 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, CentOS 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 SPECIFICATIONS

Network connectivity
- Configuration with two network ports
  2 x Gbps Eth ports that can be used in redundancy mode (ST 2022-7), or in switching mode
- Configuration with four network ports
  4 Eth ports on the full-height bracket, or 2 Eth ports on each low-profile bracket
  - Switch mode (the 4 ports are identical)
  - ST 2022-7 mode: 2 pairs of redundant ports

Input and output channels
- 64 x 64 channels at 44.1kHz and 48 kHz
- 32 x 32 channels at 88.2 kHz and 96 kHz
- 16 x 16 channels at 176.4 kHz and 192 kHz

Audio flows
- Maximum 64 input and 64 output streams

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

AoIP compliance
- AES67, Ravenna
- SMPTE ST 2110-30 Level A,B, C
- SMPTE ST 2022-7 (Class A,B,C,D)
- SAP for streams announcement for compatibility with Dante products set to AES67 mode

Sample format
- PCM 16, 24, 32 bits

Management
- WEB GUI, Aneman & MTDiscovery (Merging Technologies)
- NMOS IS=04 & IS=05
  (Discovery & Registration, Connection management)