VERSATILE MULTICHANNEL DIGITAL AUDIO FOR MISSION-CRITICAL SYSTEMS

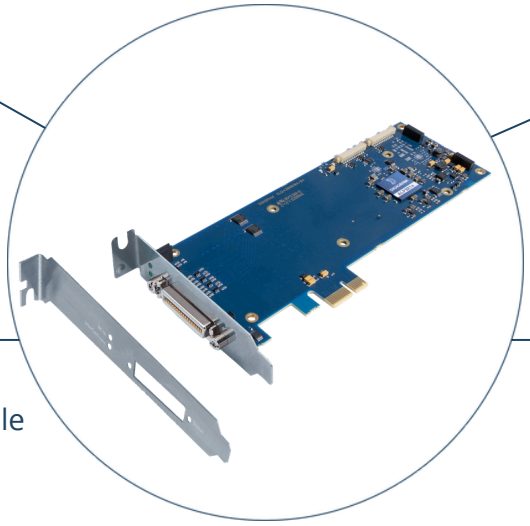
ALP881e is a low-profile, multichannel PCI express sound card engineered for professional PC-based audio systems on Windows and Linux.

Compact and ultra-reliable, it is the ideal solution for mission-critical applications including broadcast, production, and high-end installations where high-resolution AES3 connectivity (up to 192 kHz) is essential.

It features 4 stereo AES3 inputs with high-quality hardware sample rate converters, 4 stereo AES3 outputs, and 8 GPIs / 8 GPOs. With its multi-client driver and an on-board, zero-latency 16x16 mixer, it enables seamless routing and mixing between all the input channels (physical inputs and software playback devices) and the output channels (physical outputs and software recording devices).

Low profile card
with 2 availble brackets

16x16 on-board mixer
8 GPIs / 8 GPOs



4 stereo AES3 I/O channels
Switchable hardware sample rate converters on inputs

External clock synchro:
AES3, AES11, Wordclock

KEY FEATURES

For Windows and Linux

Iconic Rock-solid & life-long

Pristine Digigram audio quality

Multi-applications

Hiccup free reliability

1 FORMAT

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

Form Factor
Low profile (standard and low profile brackets included)

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

2 DRIVERS

Supported OS
Windows : from Windows 10 and Server 2019
Linux from:
- Ubuntu 20.04 kernel 5.15
- Debian 11 kernel 5.10
- RHEL 9 kernel 5.14

Drivers
Windows: Asio, Wasapi/DirectSound
Linux : Alsa, Libgpiod

One Driver Package
Multi-application and multi-card API available

3 CONTROL PANEL

Digigram ALP-X ASIO Settings (On Windows)
- Asio Control Panel: up to 8 ALP-X cards (intercard synchronization)
- Select I/Os used through Asio (others can be used through Wasapi)

Digigram ALP-X Manager (On Windows)
- One unified control panel for the whole ALP-X range
- Manages up to 8 ALP-X cards

Main functions
- Zero latency FPGA-based 16x16 mixer
- Adjustment of input and output levels
- Mixing before monitoring and recording (16 mix buses)
- Clock & sync selection
- GPIO status

4 HARDWARE SPECIFICATIONS

Digital Inputs
- 4 stereo AES3 inputs
- 4 Hardware Sample Rate Converters (ratio from 1:8 to 7,5:1)
- Adjustable digital gain: from -90 dB to +12 dB in 0.1 dB steps
- Sample rate (kHz): 32, 44.1, 48, 64, 88.2, 96, 128, 176.4, 192

Other Inputs
- 1 AES11 synchronization input
- 1 Word Clock synchronization input
- 8 dry contact GPIs

Digital Outputs
- 4 stereo AES3 outputs
- Adjustable output gain: from -90 dB to +12 dB in 0.1 dB steps
- Sample rate (kHz): 32, 44.1, 48, 64, 88.2, 96, 128, 176.4, 192

Other Outputs
- 8 relay GPOs (0.5 A, 48 VCC)
- 1 Word Clock output

5 SAMPLE FORMAT

PCM (8, 16, 24, 32 and 32 float bits), Float IEEE754

6 SYNCHRONIZATION SOURCES

- Internal clock (kHz)
  32, 44.1, 48, 64, 88.2, 96, 128, 176.4, 192
- AES11 (kHz)
  32, 44.1, 48, 64, 88.2, 96, 128, 176.4, 192
- Word Clock input (kHz)
  32, 44.1, 48, 64, 88.2, 96, 128, 176.4, 192

7 CABLE & CONNECTORS

Breakout cable for digital I/Os
- Length: 1 m
- XLR for AES3 I/Os and AES11 sync input
- BNCs for Wordclock I/O
- 2 x D-Sub 25 for GPIs and GPOs