

## Robust Location One/ Two AES3 Channel Dante® / AES67 Network Audio Interface



**AoIP44 AES3**  
**AoIP22 AES3**

### Highlights

Powered by  
PoE

AoIP44 AES3:  
2 x AES3 Inputs/  
Outputs

Dante® / AES67  
Network Audio

Up to  
96k/ 24 bit

AoIP22 AES3:  
1 x AES3 Input/  
Output

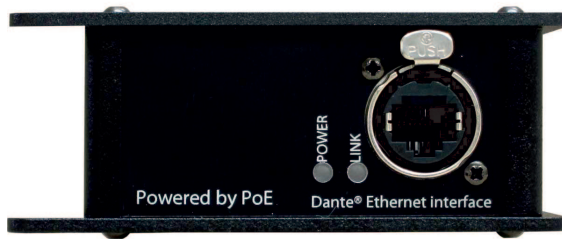
Robust Aluminium  
Construction

### Overview

Packaged in a small & rugged format and designed for outside broadcast, theatre and location applications.

The AoIP22 AES3 and AoIP44 AES3 are designed to easily and quickly interface existing AES3 equipment to a Dante® / AES67 network audio system. Being powered by PoE means that only one cable needs to be connected to the network to carry both audio and power, providing flexibility and saving time on installation.

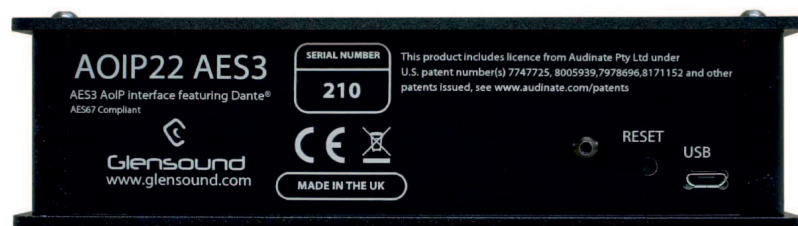
Robust proven construction techniques, simple reliable interface and excellent specification will help make your technician's life hassle free. Whilst the low cost and long asset life will keep the accountant satisfied.

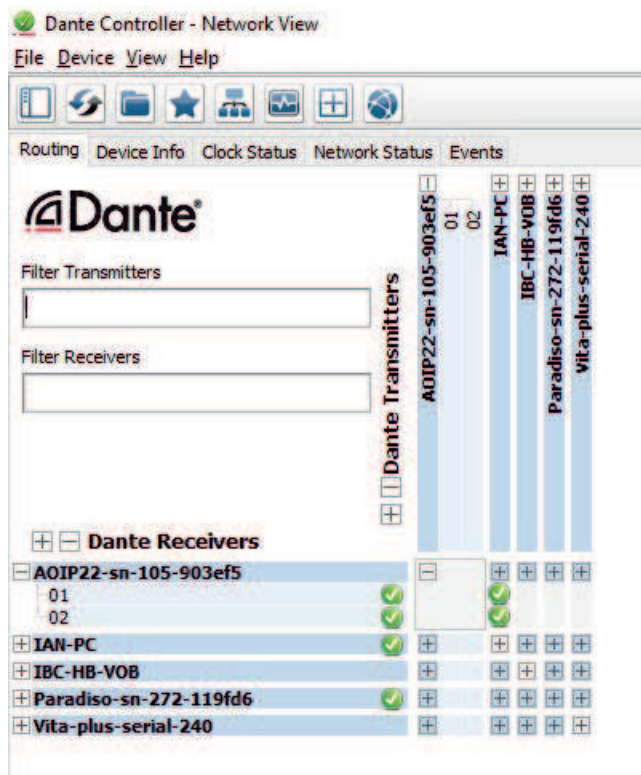


**AoIP44 AES3**  
**AoIP22 AES3**

## FEATURES

- AoIP22 AES3**  
 The AoIP22 AES3 provides 1 balanced AES3 audio circuit on and off the Dante®/ AES67 audio network
- AoIP44 AES3**  
 The AoIP44 AES3 provides 2 balanced AES3 audio circuits on and off the Dante®/ AES67 audio network \*\*\*PLEASE SEE SPECIFICATIONS
- Up to 192kHz Input Sample Frequency**  
 AES 3 inputs can accept sample frequencies from 32 to 192kHz
- Up to 96kHz Output Sample Frequency**  
 When operating 1 x AES3 output then either unit can support sampling up to 96kHz\*\*\* See note
- Sample Rate Converters on Inputs**  
 To synchronise the incoming AES3 stream to the Dante®/ AES67 clock rate sample rate converters are provided on each input.
- Network Synchronised Outputs**  
 The AES3 outputs are synchronised to the network audio sample rate and as such their clocks follow the Dante®/ AES67 circuits.
- Powered by PoE**  
 To make installation a single cable affair, the AoIP AES3 units are powered by Power over Ethernet and can be powered from PoE enabled switches or Mid Span PoE Injectors.
- Transformer Balanced AES3 Inputs**  
 AES3 transformers provide isolation of the audio inputs.





Dante® Controller by Audinate is a free application that controls all your Dante® enabled devices on your network.

It will automatically find the AoIP AES3 uniots and allow you just by the click of a mouse to route audio circuits to/ from it.

Dante® network audio has become very popular because it just works and it's so easy to use. Yet underneath the simple trouble free setup is a very sophisticated Audio over IP (AoIP) protocol working in real time across standard network switches with clever digital clock synchronisation to keep all equipment working in perfect harmony.

## PRACTICAL FEATURES

- Rubber Feet**  
 If the AoIP22 is to be sat on a desk or the back of a workbench, the fitted rubber feet will prevent it sliding around.
- Cable Tie Holes**  
 All four front corners of the AoIP22 feature large extremely strong holes that are ideal for threading cable ties through. This makes temporarily installing the unit in out of the way locations very easy.





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**AoIP22 AES3**

## SPECIFICATION

### AUDIO

#### Frequency Response

Flat to 22kHz

#### Maximum Input Before Clip

0dBfs

#### Maximum Output Level

0dBfs

#### Input Impedance

110  $\Omega$

#### Output Impedance

110  $\Omega$

#### Distortion

0.00006% THD+N @ 1kHz  
Reference to +18dBu output

#### Input Type

Transformer balanced on Neutrik 3 pin  
XLR socket

#### Noise

> -123dBu (Residual)

#### Dynamic Range

141dBs

#### Input Frequency

32 - 192kHz

#### Output Frequency \*\*\* See Note

44.1, 48, 88.2, 96kHz 1 x AES3 channel driven  
44.1 & 48kHz 2 x AES3 driven locked to Dante®

### POWER

#### PoE

1.2 Watts

#### Source

PoE Enabled Switch or Mid-Span PoE Injector

### NETWORK AUDIO

#### Compatible Audio Networks

Dante® uncompressed, low latency audio.  
AES67

#### Network Connection

Neutrik RJ45 EtherCON

#### Dante Network Sample Rate

44.1k, 48k, 88.2k, 96k, 192k

#### AES67 Network Sample Rate

48k

### INCLUDED ITEMS

#### Handbook

Paper Copy (Download also available)

#### RJ45 Network Cable

2 metre Cat5 RJ45 plug/ RJ45 plug cable

### PHYSICAL

#### Size

153 x 105 x 41mm (WxDxH)

#### Weight

AoIP22 AES3: 405g  
AoIP44 AES3: 420g

#### Mechanics

All aluminium construction, anodized and  
laser etched

#### \*Network audio inputs

The AoIP AES3 units use the Ultimo chipset from Audinate, although a 4 channel chipset it can only receive audio from 2 different network streams