

### Main Features

**IPA-304** Interface unit acts as a bridge between ALTAIR IPcom systems and other AoIP audio systems based on different protocols.

This interface uses the **AES67** protocol, based on the AES standard, to allow the compatibility with different systems:

- Intercom systems featuring **AES67** compatibility.
- Audio streaming systems featuring **AES67** compatibility.



The device is built in a robust metal case, whose dimensions have been designed so that up to four units can be installed in a 1U rack space using the "OR-1-301" accessory kit (sold separately).

Like the rest of IPcom Series devices, **IPA-304** is powered remotely via PoE (Power over Ethernet), either directly from the network switch or via an external PoE source. In addition, it includes a 24V DC input with anti-pull safety connector, which can be used as a main power supply if PoE is not available, or as a redundant power supply.

**IPA-304** Interface connects via an Ethernet network LAN supporting 100/1000 Mbps.

Of course, both an IPcom system and some **AES67** compliant streams must be present on the LAN.

The device will detect the present **AES67** streams and will convert them to Altair **IPcom** streams. On the other, **IPA-304** will generate up to four **AES67** streams.



IPA-304 connectors panel

The unit converts digital audio streams present on the LAN and for this reason it does not feature any analog or digital external ports.

**NEBULA** Configuration Software will be used to assign intercom groups, define the different audio levels and set up all the parameters of the unit.

Up to 6x4 intercom groups (*Party-Line, One-To-Many*) within the **IPcom** domain can be addressed to up to 4 **AES67** streams at the same time. The parameters of each of these 24 groups can be adjusted individually.

The unit includes two pairs of GPIO IN/OUT ports to be used along the **IPcom** system.

Finally, **IPA-304** can be remotely controlled from other devices in the **IPcom** network, such as user panels or beltpacks.