

BOB-22

DANTE INTERFACES

Dante/AES67 Digital Audio Interface BOB 2x2



PRODUCT OVERVIEW

BOB-22 is a digital audio interface, 2xMIC/LINE audio inputs and 2 LINE level audio outputs, Dante/AES67 (Audio Over IP) Break Out Box. It enables the conversion of up to 2 Dante/AES67 channels into 2 analogue audio LINE level output signals and vice versa, converting 2 MIC/LINE analogue audio input signals into 2 Dante/AES67 channels for transmission over an Ethernet network.

The device features PoE (Power over Ethernet) for DC power directly from PoE-enabled Ethernet switches. An optional 24VDC external PSU is available (sold separately).

BOB-22 is a generic Dante/AES67 device that can be used in combination with EclerNet / EclerPLEX / VIDA / HALO Dante devices from Ecler, or with any other third-party Dante/AES67 devices, but it is not a native EclerNet / EclerPLEX guest unit.

KEY FEATURES

- Ethernet interface.
- Euroblock connectors for analogue audio inputs and outputs.
- 2 Analogue MIC/LINE audio inputs reception.
- 2 Analogue LINE level audio outputs
- 2x2 Digital audio -transmission and reception -channels in Dante/AES67 format.
- PoE power supply ready.
- Phantom power (+48VDC by internal jumper activation).
- Input sensitivity (adjustable from -50dBV to +0dBV).
- Compact format.
- Frontal support Half rack accessory included.

APPLICATIONS

- Retail
- Hospitality
- Corporate
- Sport & Wellness

TECHNICAL SPECIFICATIONS

BOB-22

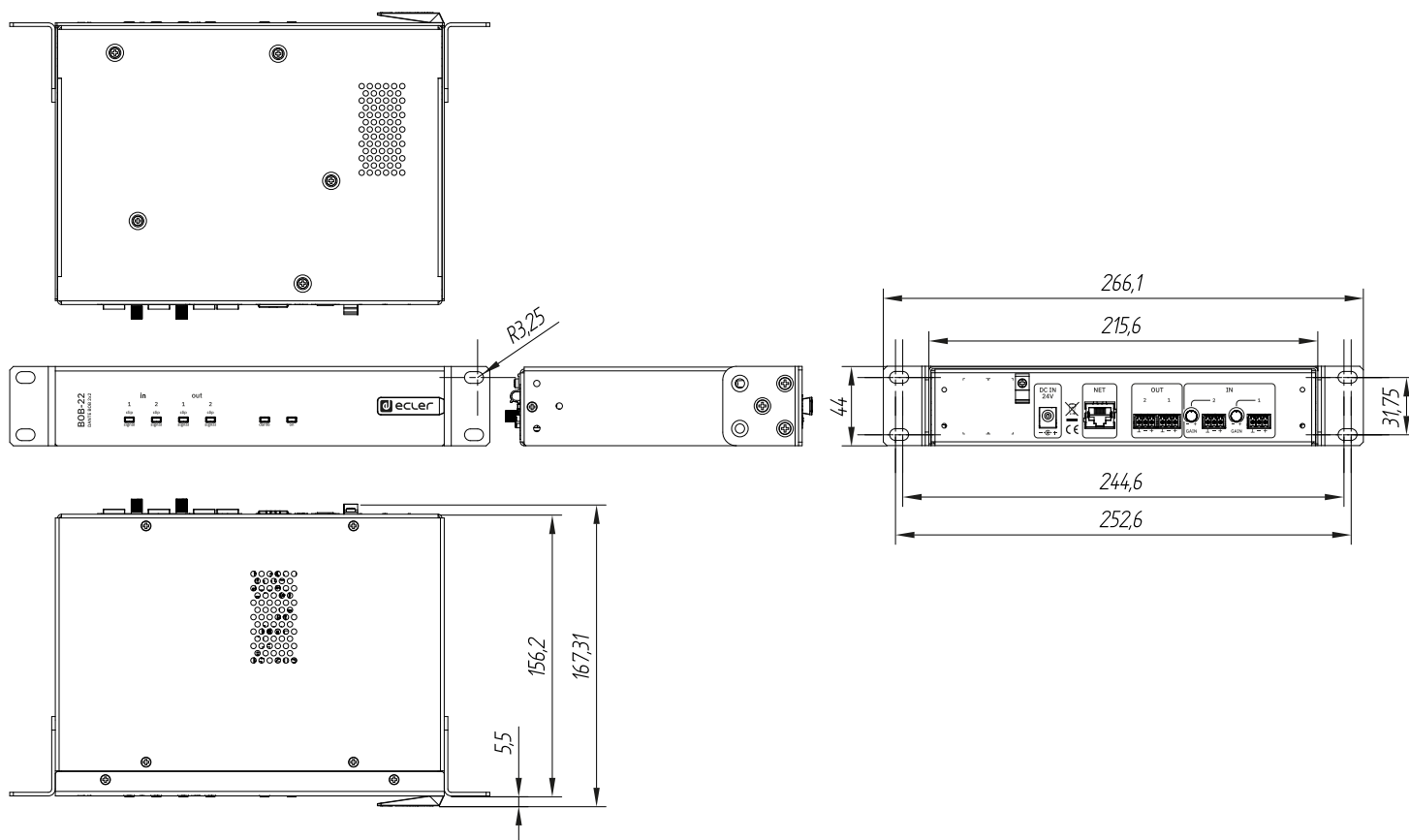
Audio Converters	
Sampling rate	48 kHz
Resolution	24 bit
Latency	ADC 0.81 ms DAC 0.56 ms Total 1.37 ms
Frequency response	0 - 20 kHz
Dynamic range	ADC:110dB, DAC:115dB
Analogue Audio Input Ports	
Number of input ports	2, MIC/LINE level
Connection type	Euroblock, 3-pin, balanced
Input sensitivity	-50dBV to +0dBV
Input impedanc	> 4 k Ω
Max input level	+18dBV = +20dBu
THD + Noise	THD+Noise @ 1kHz, 0dBV input (line) <0.005% THD+Noise @ 1kHz, -40dBV input (mic.) <0.40%
CMRR	56dB typ.
Phantom power	+48VDC, Internal jumper activation
Analogue Audio Output Ports	
Number of output ports	2, LINE level
Connection type	Euroblock, 3-pin, balanced
Max output level	+18dBV = +20dBu
Output impedance	316 ohms
Crosstalk	better than 95 dB
Audio Over Ip	
Protocols	Dante® / AES67 (2/2 flows)
Number of digital input ports	2
Number of digital output ports	2
Interfaces	1 x RJ-45
Connectivity	
Ethernet	1, RJ-45 connector 10 /100Mb, 1GB Auto X-Over
Programming and control	Dante® Controller
Electrical	
Power supply	24VDC External PSU (sold separately)
Secondary power supply	PoE: class 0 802.3af Poe PD compliant
AC mains requirement	90-265VAC @ 50-60Hz (External PSU: 24VDC)
Power consumption	14 VA / 8 W
Ventilation	Passive
Physical	
Operating temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Operating humidity	<85% HR
Storage temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Storage humidity	<90% HR
Installation options	Desktop, 19" racks (1RU)

Included accessories	4x Euroblock 3-pin connectors, 4x Rubber feet, 1x Frontal Support Half-Rack accessory, 4x Washer.
Dimensions (WxHxD)	266.1 x 44 x 156.2mm / 10.48 x 1.73 x 6.15 in.
Weight	1.1 Kg / 2.43 lb.
Shipping dimensions (WxHxD)	430 x 52 x 261 mm / 16.93 x 2.05 x 10.28 in.
Shipping weight	1.7 Kg / 3.75 lb.

MECHANICAL DIAGRAM



Ecler B0B-22 Mechanical Diagram



6I-1125-0100

www.ecler.com



All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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