

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

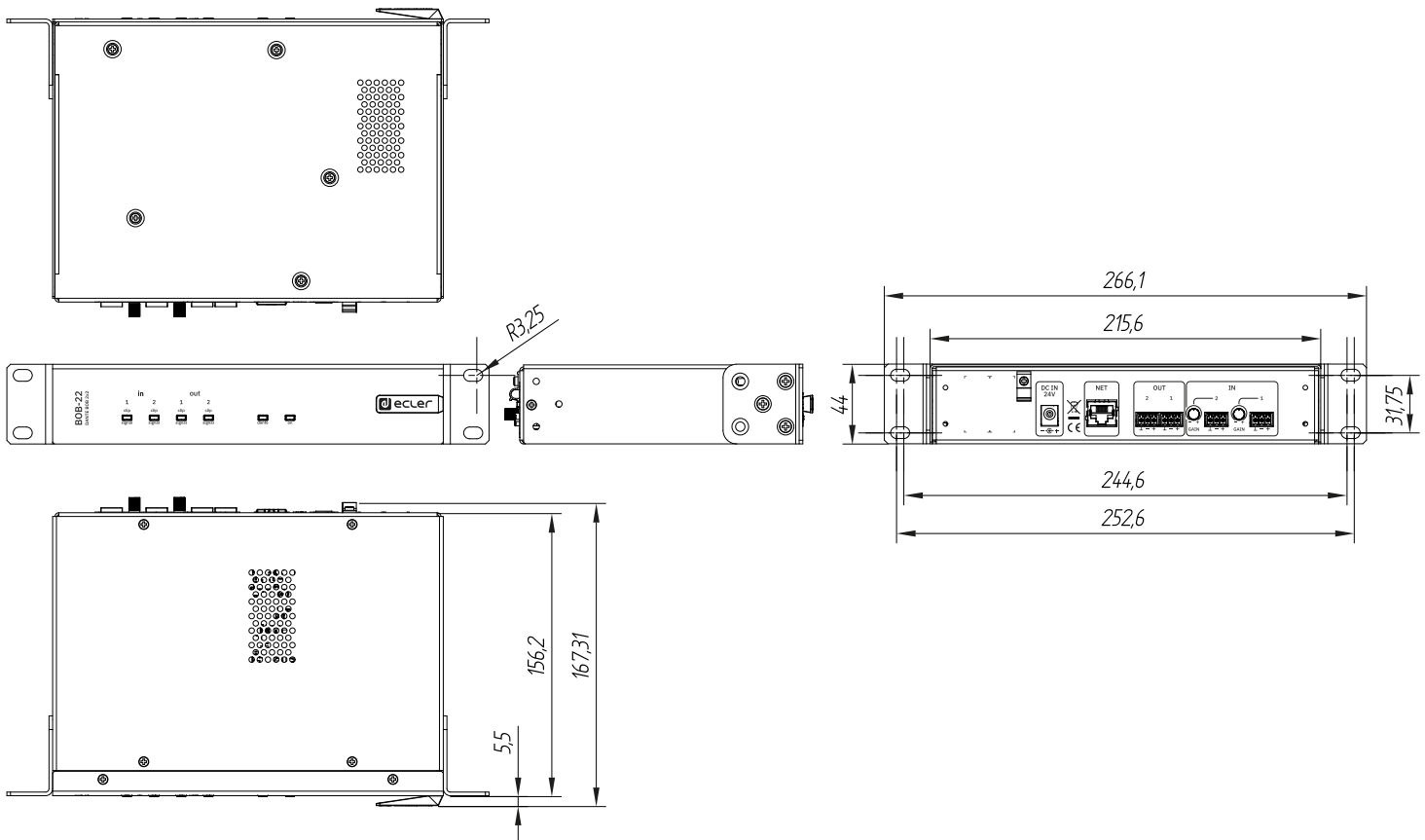
Audio Converters	
Sampling rate	48 kHz
Resolution	24 bit
Latency	ADC 0.81 ms DAC 0.56 ms Total 1.37 ms
Frequency response	0 - 20 kHz
Dynamic range	ADC:110dB, DAC:115dB
Analogue Audio Input Ports	
Number of input ports	2, MIC/LINE level
Connection type	Euroblock, 3-pin, balanced
Input sensitivity	-50dBV 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 32 x 156.2mm / 10.48 x 1.26 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



All the measurements are in mm

61-1125-0100

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.

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