

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.
- Compact format.
- Frontal support Half rack accessory included.

APPLICATIONS

- Retail
- Hospitality
- Corporate
- Sport & Wellness

TECHNICAL SPECIFICATIONS

BOB-22

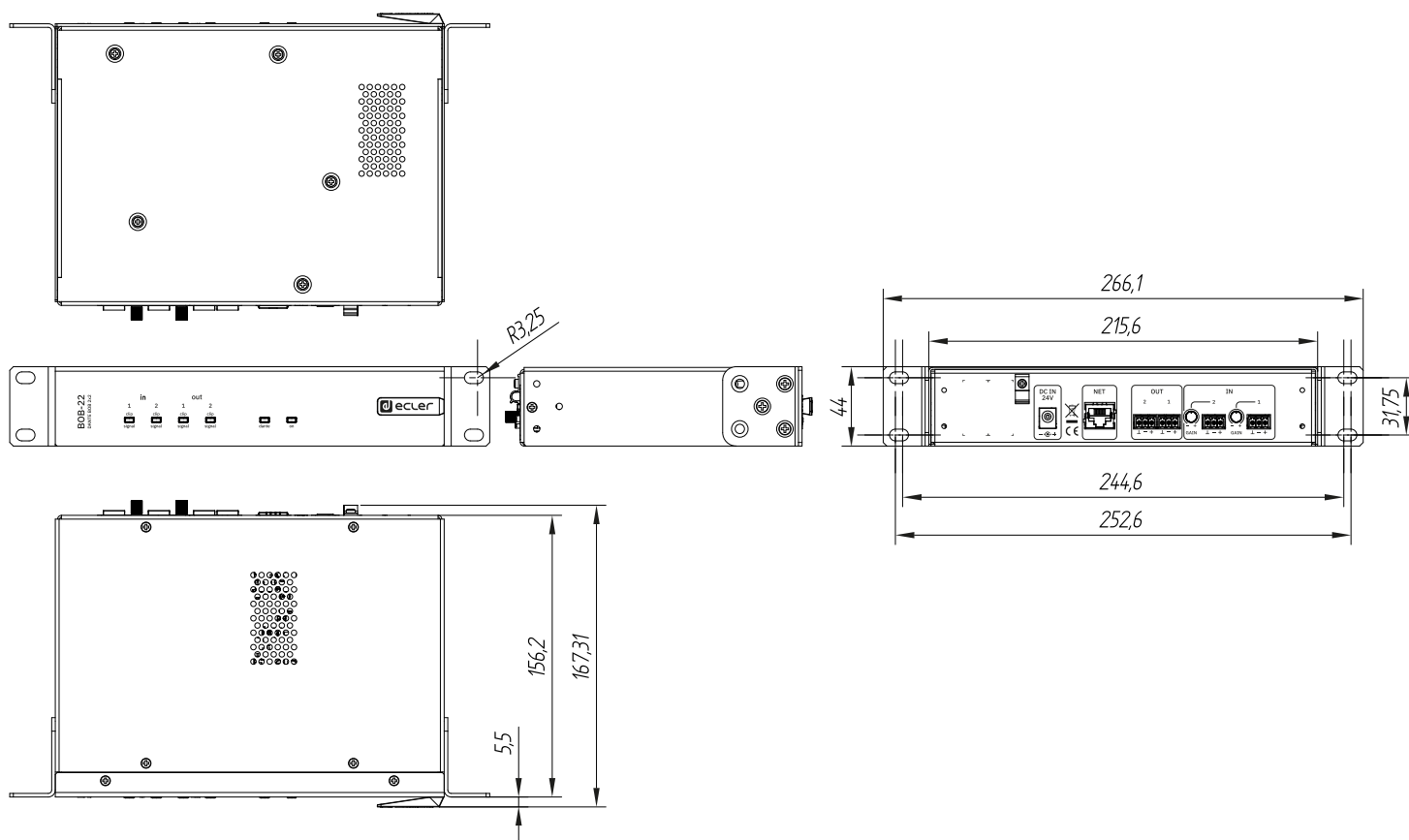
Audio Converters		
	Sampling rate	48 kHz
	Resolution	24 bit
	Latency	ADC 0.81 ms DAC 0.56 ms Total 1.37 ms
	Frequency response	0 - 20 kHz
	Dynamic range	ADC:110dB, DAC:115dB
Analogue Audio Input Ports		
	Number of input ports	2, MIC/LINE level
	Connection type	Euroblock, 3-pin, balanced
	Input sensitivity	-50dBV to +0dBV
	Input impedanc	> 4 kΩ
	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
	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 BOB-22 Mechanical Diagram



6I-1125-0100

www.ecler.com

All the measurements are in mm



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](#).

Motors, 166-168 - 08038 Barcelona - Spain | Tel. (+34) 932238403 | information@ecler.com | www.ecler.com