



## NA-20-DLINE

Connect your legacy audio gear to the DANTE® world. The Line I/O to DANTE® Interface is an end-of-network device. It is a breakout box which allows two channels of audio to be integrated into a DANTE® network. Simultaneously, NA-2I20-DLINE converts a DANTE® stream into analog audio signals. Hence, it is possible to use this tiny box to feed analog audio signals into the DANTE® network while at the same time receiving a mix from another DANTE® source.

Line I/O to DANTE® Interface is designed for harsh stage conditions. It therefore features lockable chassis connectors for both the audio and network connections. For fixed installations, the rubber protection can be removed. With optional mounting brackets or a rack panel, the box can be mounted below tables, in floor boxes, or in equipment racks.

**ATTENTION:** This device must only be powered via PoE injectors with compliant handshake functionality (IEEE 802.3af/at/bt). Use of non-compliant PoE injectors may cause permanent damage.

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## opticalCON®

### 製品の特長

- ✓ Connect analog audio equipment to a Dante® network
- ✓ Feed non Dante® ready amplifiers, speakers or mixing desks with signals from the Dante® network
- ✓ AES67 compliant
- ✓ Improved Audio Parameters
- ✓ Enhanced ESD Protection
- ✓ LED Ring for Status Indication
- ✓ Extremely robust and compact design for rugged stage conditions
- ✓ Rack mountable
- ✓ *Requires a Power over Ethernet switch or injector with IEEE 802.3af/at (Class 1) compliant handshake*

### Technical Information

Product	
Title	NA-20-DLINE
Product family	Line Out to Dante Interfaces

## Electrical

Power consumption	< 2 watts
Power supply	Compliant PoE switch or PoE injector (IEEE 802.3af/at/bt, handshake required)

## Mechanical

Weight	0.44 kg (1 pound)
Dimensions (with rubber protection)	l = 164 mm (6.3 inches) w = 82 mm (3.2 inches) h = 51 mm (2.0 inches)
	l = 151 mm (5.9 inches) w = 66 mm (2.6 inches) h = 41 mm (1.6 inches)

## Environmental

Standard compliance	REACH EC 1907/2006 Directive 2011/65/EU IEC 62368-1:2018 IEC 62368-1:2023 EN IEC 62368-1:2020+A11:2020 UL 62368-1:2019 UL 62368-1:2021 CSA C22.2 No. 62368-1:19
Ingress protection class	IP20
Temperature range	-5°C to +60°C
Storage temperature	-40°C to +150°C

**Dante specifications**

<b>Channels</b>	2 OUTPUTS (line level)
<b>Supported sampling rates</b>	44.1 / 48 / 88.2 / 96 kHz
<b>Bit depth</b>	16, 24 and 32 Bit
<b>Latency</b>	Depending on the network configuration, 1 ms (standard)
<b>Ethernet connection</b>	100 BASE-TX (PoE support)

**Analog audio output**

<b>Output impedance</b>	< 150 Ohm
<b>Output level (balanced)</b>	24 dBu max.
<b>Frequency response</b>	20 Hz to 20 kHz (+/-0.5 dB)
<b>Dynamic range</b>	> 100 dB
<b>Signal-to-noise ratio</b>	> 108 dB
<b>THD + noise</b>	< 0.01 % @ + 4 dBu, A-weighting
<b>Crosstalk</b>	-100 dB @ 20 kHz