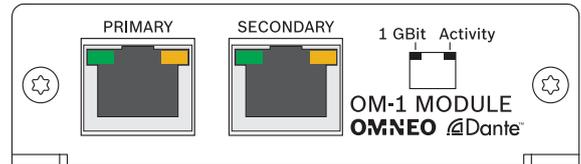


# OM-1 OMNEO / DANTE Module



- Gigabit Ethernet Interface - 1000 Mbit/s full-duplex Ethernet Interface, IEEE 802.3u compatible
- Secondary Gigabit Ethernet Interface - Second Ethernet Interface for the connection of a redundant network to establish fault-tolerant systems
- Status LEDs - Link, Activity and Gigabit active status indication for each Ethernet interface

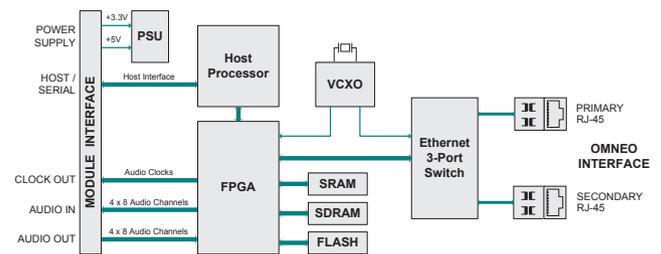


The OM-1 is a compact interface module which is prepared for connecting an Electro-Voice N8000 to an OMNEO network. In addition, the OM-1 is able to send and receive Dante audio to and from other Dante equipment. The transmission of up to 32 digital audio input signals and 32 digital audio output channels with low latency (typically 1 ms) is possible with the OM-1.

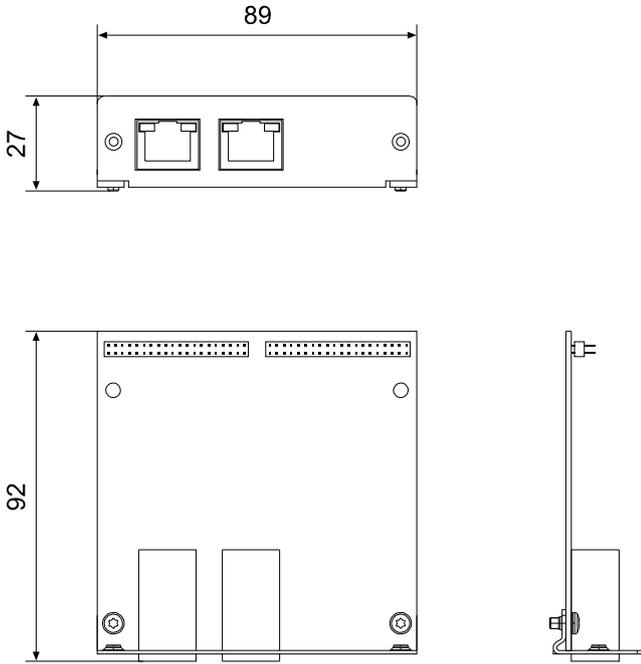
Dante is a registered trademark of Audinate, Inc.

## Technical specifications

Supply voltage/current	+3.3 V DC / 860mA
Ethernet connectors (Primary / Secondary)	100/1000 Mbit/s, RJ-45, integrated transformer isolation
Sampling rate	48 kHz
Data format	24 Bit
Audio channels	Up to 32 × 32 at 48 kHz
Audio flows	Up to 32 × 32 simultaneous audio streams
Latency across network	1 ms (typically)
Electromagnetic environment	E1, E2, E3
Operating temperature	-5 °C to 45 °C
Product dimensions (Width × Height × Depth)	89 × 27 × 92 mm
Net weight	75 g

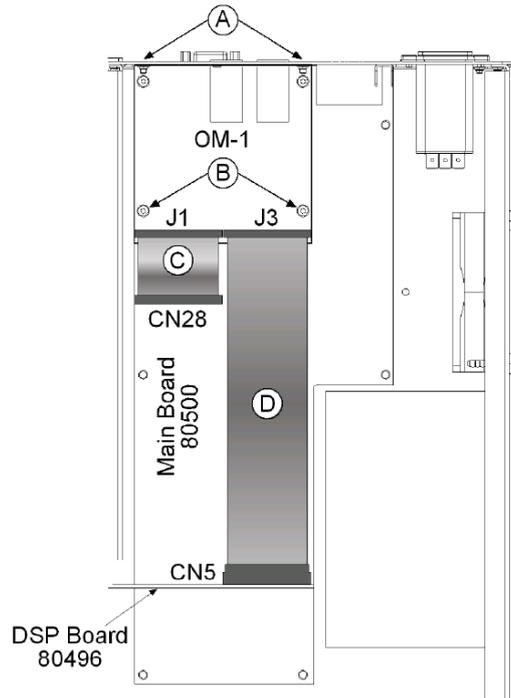


Circuit diagram



Dimensions

## Installation/configuration notes



Installation of OM-1 in N8000

### Installation in N8000

1. Turn off the power of the unit and pull the mains plug.
2. Remove the cover plate (6 screws on the sides, 3 screws on top, 4 screws on the rear).
3. Remove the blind on the rear panel (2 screws).

4. Install the OM-1 module (see picture); first, secure it with 2 screws on the rear panel (A), then with 2 screws on the bolt (B), tighten the screws.
5. Make the following cable connections: Left connector on OM-1 module with CN28 on main board 80500 (65 mm flat wire cable) (C). Right connector on OM-1 module with CN5 on DSP-Board 80496 (190 mm flat wire cable) (D).
6. Re-install the cover plate.
7. Plug in the mains cord and turn the unit's power on.
8. Configure OM-1 module parameter in IRIS-Net according to application needs.

## Parts included

Quantity	Component
1	Interface module
1	Interconnection cord internal (190 mm)
1	Interconnection cord internal (65 mm)
4	Torx screw M3X6
1	Installation note

TORX is a registered trademarks of Acument Intellectual Properties, LLC.

## Ordering information

**OM-1 OMNEO / DANTE Module**  
 OMNEO / DANTE module for N8000  
 Order number **F01U308176**

**Represented by:**

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