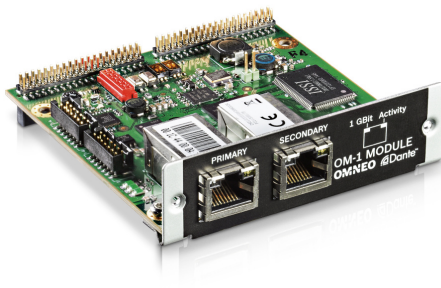


OM-1 Interface module

www.boschsecurity.com



BOSCH
Invented for life



- ▶ 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 a connection to an OMNEO network. The OM-1 is able to send and receive Dante audio to and from other PAVIRO Controllers with an OM-1 Interface Module. The transmission of up to 16 digital audio input signals and 16 digital audio output channels with low latency is possible with the OM-1.

Dante is a registered trademark of Audinate, Inc.

Certifications and approvals

| Region | Regulatory compliance/quality marks | |
|--------|-------------------------------------|-----------------------|
| Europe | DOP | F01U298639 PAVIRO V10 |
| | CE | F01U308176 |

Installation/configuration notes

Installation in PVA-4CR12

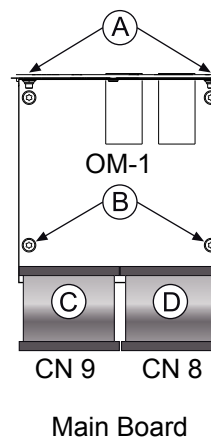
1. Turn off the power of the unit, and pull the 24 V plug.
2. Remove the cover plate (10 screws on top).
3. Remove the blind on the rear panel (2 screws).
4. Install the OM-1 module (see picture); first, secure it with 2 screws on the rear panel (A), then with 2 screws on the bolts (B), tighten the screws.
5. Make the following cable connections: Left connector on OM-1 module with CN9 on main board (65 mm flat wire cable) (C). Right connector on OM-1 module with CN8 on main board (190 mm flat wire cable) (D).
6. Re-install the cover plate.

7. Connect the unit to the 24 V supply, and turn the power on.
8. Configure the OM-1 module parameter in IRIS-Net according to application needs.



Notice

A shielded cable must be used for an Ethernet connection.



Parts included

| Quantity | Component |
|----------|--|
| 1 | Interface module |
| 1 | Interconnection cord internal (190 mm) |
| 1 | Interconnection cord internal (65 mm) |
| 4 | Torx screw M3 X 6 |
| 1 | Installation note |

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

Technical specifications

Electrical

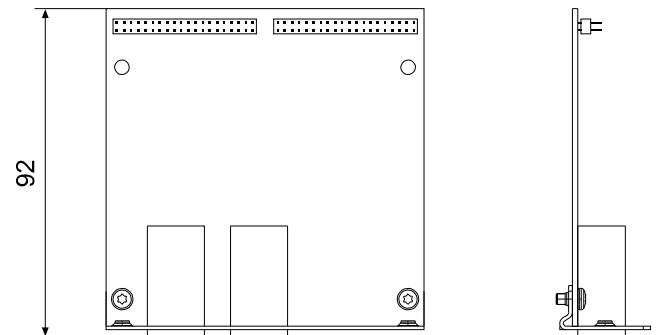
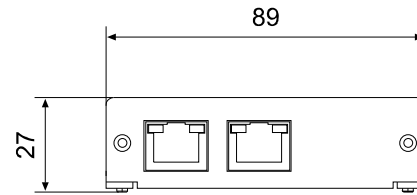
| | |
|---|--|
| Supply voltage/current | +3.3 V DC / 860mA +5 V DC / 60mA |
| Ethernet connectors (Primary / Secondary) | 100/1000 Mbit/s, RJ-45, integrated transformer isolation |
| Sampling rate | 48 kHz |
| Data format | 24 Bit |
| Audio channels | Up to 16 X 16 at 48 kHz |
| Audio flows | Up to 16 X 16 simultaneous audio streams |
| Latency across network | 5 ms (typically) |

Mechanical

| | |
|---|-----------------|
| Product dimensions (Width X Height X Depth) | 89 X 27 X 92 mm |
| Net weight | 75 g |

Environmental

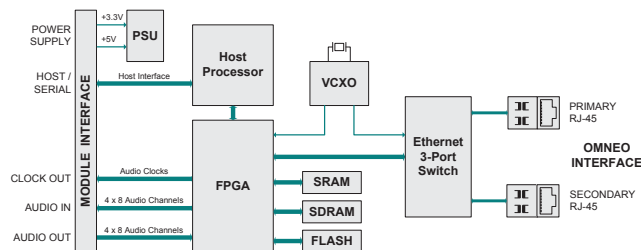
| | |
|-----------------------------------|------------------|
| Electromagnetic environment | E1, E2, E3 |
| Operating temperature | -5 °C to 45 °C |
| Storage and transport temperature | -20 °C to +70 °C |



Dimensions

Ordering information

OM-1 Interface module
OMNEO / DANTE module for PAVIRO
Order number **OM-1**



Circuit diagram

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