

OM4-AVB

4 port Ethernet Switch
with Audio-Video-Bridging

Applications

Ethernet layer 2 switching
Professional Ethernet audio/video
Fiber-optic connection of AVB networks without media converters



Description

- Ethernet Audio-Video Bridge (AVB).
- Supports real-time, low-latency streaming of audio and video over Ethernet.
- Simultaneously bridges both AVB and regular Ethernet traffic.
- Three 10/100/1000BASE-T electrical ports with auto-negotiation.
- One 1000BASE-X or SGMII optical SFP port.
- Receive optical power meter.
- USB console interface.
- Compact rugged metal enclosure.

Features

- 1G bps SFP optics
- Fiber distances up to 100 km
- Single and multimode fiber
- Receive optical power meter
- Surge protection on RJ45 ports
- Micro SD card interface
- 5 Year warranty
- Plug and play
- Precision Time Protocol (PTP)
- Stream reservation protocol (SRP)
- Client DHCP for network configuration
- Embedded Linux operating system
- Detailed SFP status can be displayed
- DIN rail, wall and rack mount accessories

Management Interface

As shipped, the OM4-AVB automatically configures the hardware and executes all the necessary services for AVB bridging. DHCP is used to configure the IP address of the management interface.

The USB console interface can be used to set up and monitor the OM4-AVB. The OM4-AVB can also be accessed remotely using telnet and/or ssh.

Specifications

Electrical

Data I/O levels	IEEE 802.3 compatible
Data I/O connectors	RJ45
Voltage input to case min/max.....	8V to 36V DC
Voltage input to case recommended	9V to 34V DC
Power consumption	< 4 Watts
Relay current continuous/peak	125/350 mA
Relay voltage AC or DC	60V peak

General

Operating temperature	0°C to 50°C
Humidity (RH)	10% to 95%
MTBF	> 50,000 hours
Dimensions	11 x 2.4 x 8 cm

Optical

See 1000BASE optics in [SFP Ordering Guide](#).

Specifications are subject to upgrade without notice.

Ordering Information

Modem and SFP optics are separate order items.

Modem part number:

OM4-AVB Shipped with a 100-240Vac in, 24Vdc out power cube.

OM4-AVBx Shipped without a power cube.

SFP optics part number:

Choose a 1000BASE SFP Module from the [SFP Ordering Guide](#).

Accessory part numbers:

[ADAPTER-05](#) allows rear panel Power and Alarm access.

[DIN-CLIP-1](#) allows the modem to be snapped to a DIN rail.

[MB05](#) bracket mounts one OM4-AVB to a flat surface.

[MP05](#) panel holds three OM4-AVB modems in a 19" rack.

[RMF05](#) chassis holds 16 OM4-AVB modems in a 19" rack.

Sales and Support:

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