

TVoTP Amplifier - CableTV & Terrestrial DIN-rail mountable

ABI-EV4008SCA



- ✓ Outstanding TV picture quality
- ✓ Transmit RF TV signals over high-grade Twisted Pair cabling
- ✓ CableTV (DVB-C) or Terrestrial (DVB-T) feeder networks
- ✓ 88 - 1006 MHz Forward path
- ✓ 5 - 65 MHz Return path
- ✓ 8 x RJ45 Twisted Pair balanced TV or STB home cabling outputs



This 1.006MHz wideband RF coax-to-twisted pair TV amplifier is the hub for the larger home or multi-tenant building project for coaxial network CableTV signals with or without in-band return path for interactive services (DVB-C) or aerial-based television and radio channels (FM, analog VHF-UHF, DVB-T)

Input coax port:

The amplifier's input accepts broadband FM and TV signals in the range between 88 and 1.006MHz. The port also carries return path signals in the reverse direction in a band between 5MHz and 65MHz for use on Docsis compliant CableTV networks.

Output RJ45 ports:

The combination FM/VHF/UHF (extended to 1.006MHz) is offered on eight RJ45 connectors that can be connected via OmniMedia cable to RJ45 wall outlets. All RJ45 ports carry back in-band return path signals for interactive digital TV services.

The front panel also sports a -20dB F-type test connector that replicates the amplifier's power stage output signal.

The amplifier is built inside the VertiGo aluminium & stainless steel housing and can be mounted on a DIN rail either at an angle of 45° or vertically, or laid flat on a shelf. This enables the use inside residential and industrial DIN rail enclosures, mounted on a wall, inside a 19" rack or placed on a tabletop or shelf.

The sturdy metal housing provides exceptional thermal conduction, effectively cooling the electronics, and protection from Electromagnetic interference and Electrostatic Discharge.

The amplifier has a built-in 230VAC mains power supply.

CHARACTERISTICS

- 1 F coax input: DS Aerial or CableTV and US return path
- 1F coax test port: DS Aerial or CableTV and US return path, -20dB (-8dB compared to RJ45's)
- RJ45 output ports: 88-1006MHz downstream, 12-28dB gain
5-65 MHz upstream return path, 17dB gain

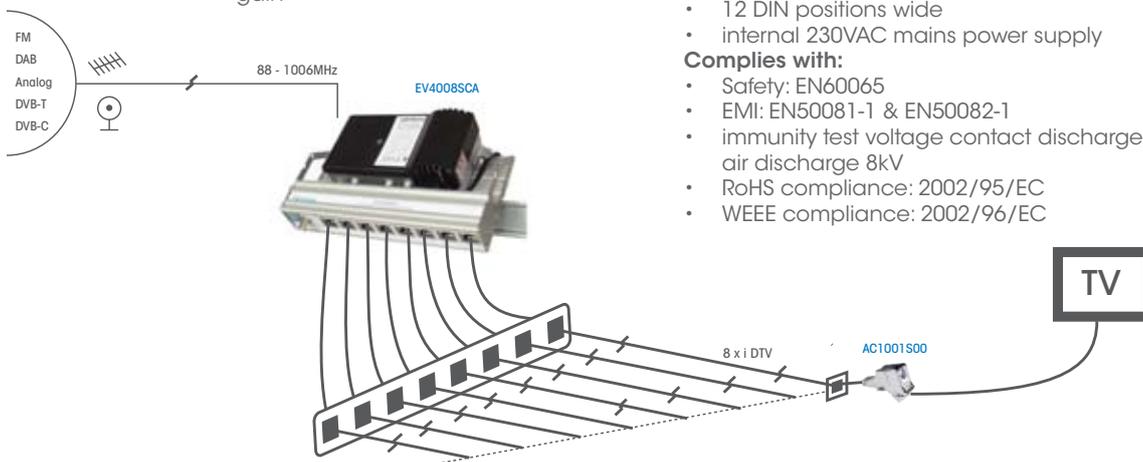
- Max. Link length on OmniMedia HD1000 cable:

	DVB-C	DVB-T
Full TV band	≥ 40m	≥ 65m
Single TV channel	≥ 70m	≥ 90m

- 12 DIN positions wide
- internal 230VAC mains power supply

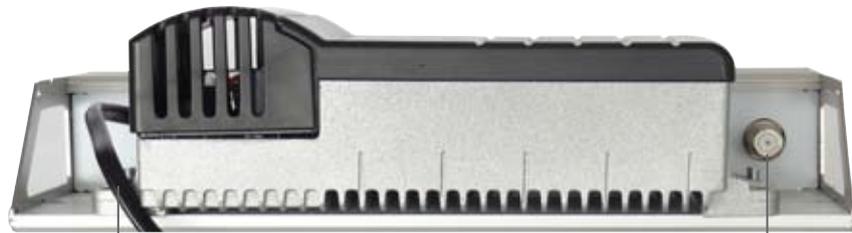
Complies with:

- Safety: EN60065
- EMI: EN50081-1 & EN50082-1
- immunity test voltage contact discharge 4kV, air discharge 8kV
- RoHS compliance: 2002/95/EC
- WEEE compliance: 2002/96/EC



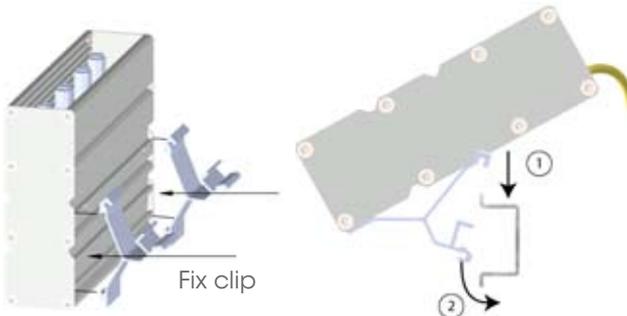
Specifications are subject to change without notice.

OPERATION

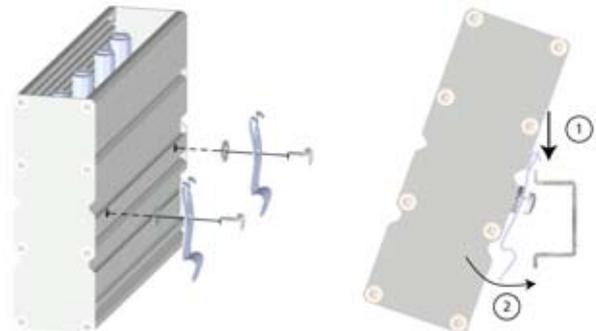


VertiGo MOUNTING

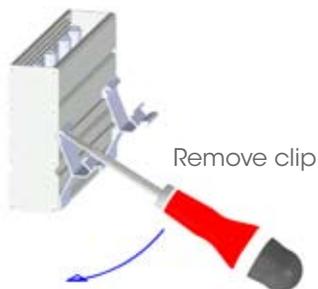
45° DINrail



Vertical DINrail (optional)



Horizontal



Specifications are subject to change without notice.