



Audio Amplifier with VoIP interface

Overview

The Ermetris Audio Amplifier provide 50W audio amplified on 2 parallel channels taking the audio via VoIP custom protocol or via standard SIP client: the audio streaming, compressed in MP3 format, requires a very limited bandwidth allocation, allowing flowing communications also in low priority connections.

The audio amplifier is provided with M12 D connector for Ethernet, M12 A code for power input and 12 pin connector for audio output.

Easy installation: deployment, installation and set-up are easy thanks SNMP protocol.

General Features

- > 2 output lines for two group of loudspeakers
- > Max output power: 50 W
- > Output impedance: 4 ~ 8 ohm for each group of loudspeakers
- > Amplifiers diagnostic available on SNMP

Technical Specification

- > 1 Ethernet interfaces with M12 connector
- > MP3, G711, G.722, PCM Encoding
- > AACplus, MP3, Ogg Vorbis, G.711, G.722, PCM linear Decoding
- > Shoutcast/Icecast Source capability
- > Audio Level Supervision with SNMP Trap generation
- > IP Streaming via TCP, UDP, RTP, Multicast
- > Embedded, robust OS, IP stack with support for TCP/IP, UDP, RTP, SIP, DHCP, Multicast/IGMP
- > Integrated web server (control/configuration)

Power Supply

- > 24 VDC nominal EN50155 compliant
- > Consumption: 50 W max

Physical Characteristics

- > Overall dimensions: 134 x 160 x 61 mm (W x L x H)
- > Weight: < 3 kg

Environmental Characteristics

- > Operating temperature range: -25 to +70°C EN 50155 class T3

Compliance

- > EN 50155 for Railway applications
- > EN 61373 Random Vibration & Shock Testing
- > EN 50121 Railway applications. Electromagnetic compatibility
- > EN45545 Fire and smoke

Order Code

- > PH-2000-00, Audio amplifier 50W on 2 channels, SIP VOIP protocol, M12 D code Ethernet and M12 A code 24 VDC power In
- > PH-2000-01, Audio amplifier 50W on 2 channels, Ermetris Audio protocol, M12 D code Ethernet and M12 A code 24 VDC power In

