Datasheet

PAS-NWOHA20 | Network Wall Mount Amplifier 8Ω 2*10 Watt



Key features

- Compact wall-mounted design with built-in Class-D amplifier (2×10W @ 8Ω).
- Local 3.5mm line input and line output for source access and speaker extension.
- Relay I/O with NO/NC dry contact for alarm-triggered broadcasting.
- Network configuration and firmware updates via Web Interface or Config Tool.
- SIP-capable for one-way calls via third-party SIP PBX and app-based broadcasting.
- Status LED, volume control, and device info button for local IP announcement.

Product Overview

The Macsys PAS-NWOHA20 is a compact wall-mounted network amplifier designed for offices, classrooms, and small-scale environments. Equipped with a built-in Class-D amplifier delivering 2×10W into 8Ω speakers, it combines efficiency with versatile connectivity. The device features local 3.5mm line input/output for source access or external active speaker integration, along with relay I/O (NO/NC) for seamless alarm system integration, enabling automatic broadcast and alerts. Network connectivity (10/100 Mbps Ethernet) supports standard protocols, with device management available via Web Interface or Config Tool for remote configuration and firmware updates. Local device controls include volume adjustment, a device info button for IP announcement, and LED indicators for quick status monitoring.

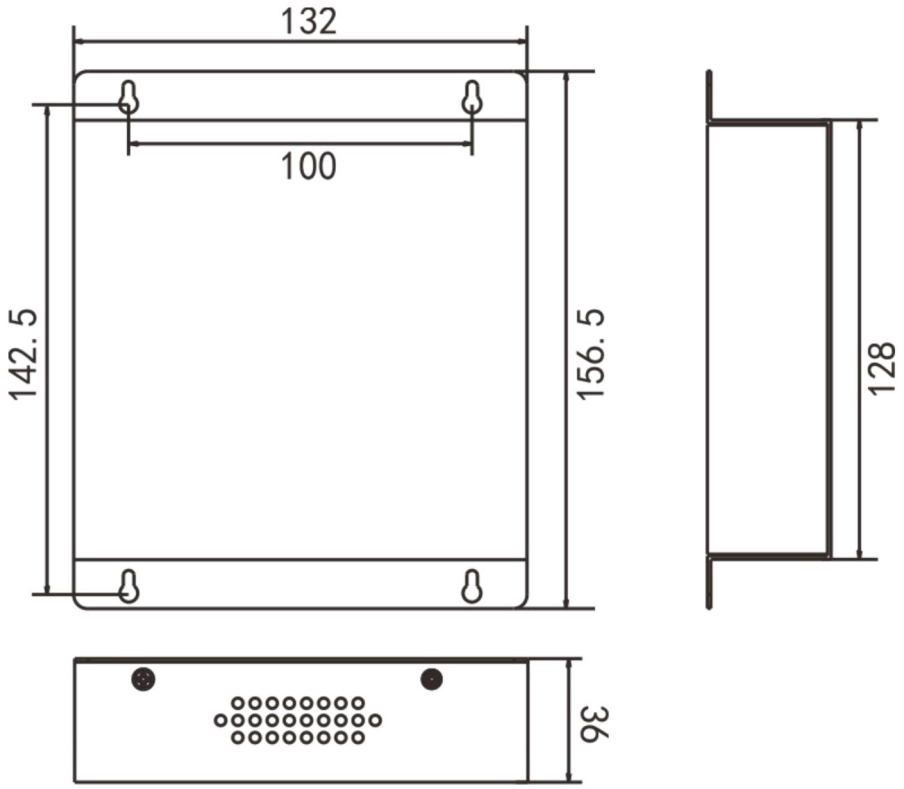
Techinical Specification

Featues	Detail
Type	Network 8Ω Wall-Mount Amplifier
Amplifier Output	Built-in Class-D, 2×10W (8Ω)
Local Audio Input	3.5mm unbalanced (TS)
External Audio Output	3.5mm unbalanced (TS)
Input Sensitivity / Impedance	0.775V / 10kΩ
Audio Codecs	MP2, MP3, PCM, ADPCM
Sampling Rate / Bit Depth	8kHz~44.1kHz, 16bit
Bitrate Range	8kbps~320kbps
Frequency Response	60Hz~20kHz
THD	≤0.3% @ 1kHz
S/N Ratio	≥80dB
Network Interface	10BASE-T/100BASE-TX RJ45
Supported Protocols	HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Setup Method	Web Interface / Config Tool
Relay I/O	NO/NC Dry Contact for alarms
Status Indicator	Green (Online), Red Flashing (Offline)
Device Info Button	Local IP/status announcement
Volume Control	Line input volume knob
Speaker Outputs	2×10W/8Ω via 2-Pin Pluggable Terminal Block
Antenna Interface	ANT port
Alarm Integration	Relay I/O interface triggers auto-broadcast/alerts
Power Input	DC 24V/1A
Standby Power	≤24W
Operating Temperature	-10°C~+50°C
Storage Temperature	-40°C~+60°C
Operating Humidity	≤90% RH non-condensing
Installation	Indoor, dry locations
Front Panel Material	Aluminum Alloy
Chassis Material	Surface-Treated Steel Plate

Techinical Specification

Featues	Detail
Color	Black
Dimensions	156.5 × 132 × 36 mm
Weight	0.5 kg
Accessories Included	Power adaptor (DC 24V/1A), 2×4-Pin terminal block connectors, 4×Mounting screws with wall anchors
Certification	CE, RoHS

Dimension



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