Datasheet

PAS-NWA120 | Network Wall Mount Amplifier 120 Watt



Key features

- Durable Built for long-lasting use.
- Web Configurable: Easy setup via web interface.
- Stable Output: Consistent voltage for clear audio.
- Compact wall-mounted 100V amplifier with built-in Class D 2*60W output
- Local 3.5mm unbalanced line input/output
- Relay I/O for integration with alarms, strobes, and sensors.
- Receives broadcasts from management software, IP paging mics, mobile apps, and SIP trunk phones.

Product Overview

The Macsys PAS-NWA120 is a 2*60W 100V IP Wall Mount Amplifier designed for seamless integration into modern PA and VoIP systems. Built with a compact, all-metal structure, it combines rugged durability with space-efficient installation—ideal for corridors, office areas, and other small to medium-sized environments. Its built-in Class-D amplifier delivers 2×60W (120W total) output to constant-voltage speakers, while advanced features such as SIP compatibility, DSP-based fast startup, and intuitive web configuration make it reliable for both commercial installations and emergency communication.

With support for SIP trunk announcements, IP paging microphones, management software, and mobile apps, the PAS-NWA120 ensures flexible broadcasting and dependable voice clarity. Its robust design, high efficiency, and user-friendly setup make it a powerful choice for public address and safety communication systems.

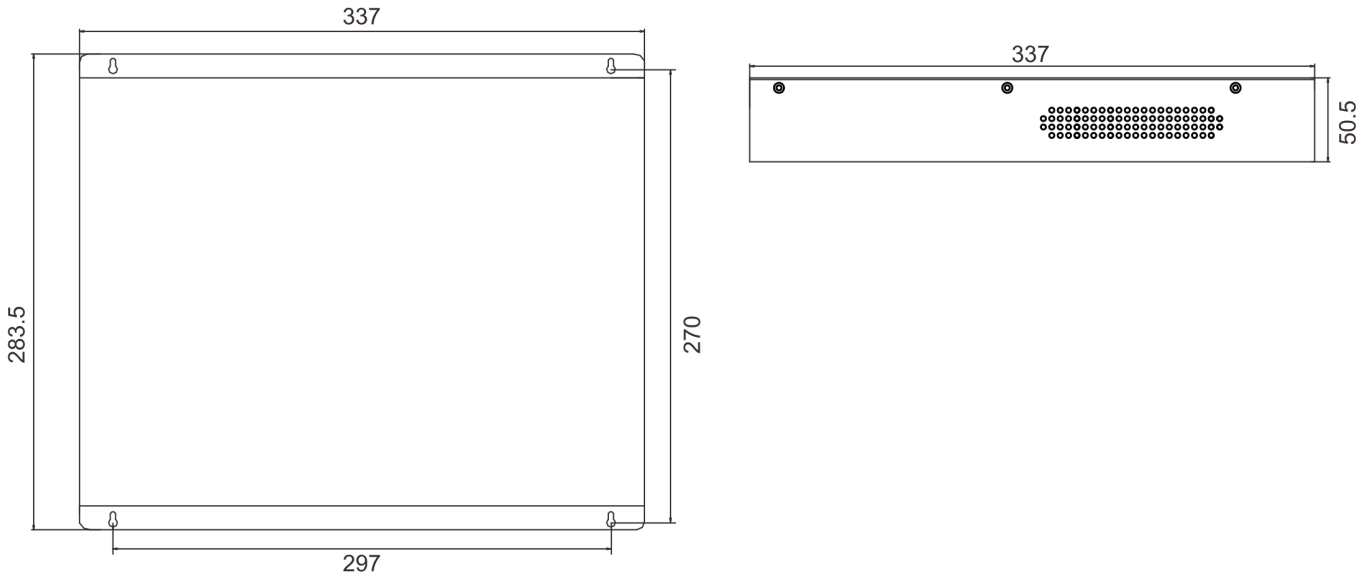
Technical Specification

Feature	Details
Type	Network 100 Volt Wall Mount Amplifier
Design	Space-efficient, compact, wall-mounted design
Built-in amplification	Built-in Class D amplifier offering 2*60W (100V) power output
Rated power output	120W
Rated loudspeaker voltage	100V
Audio input	3.5mm line input TS Jack (Unbalanced, Sensitivity/Impedance: 1V/10kΩ)
Audio output	3.5mm line output TS Jack, active speaker can be connected to this port
Relay input	2-Pin Pluggable Terminal Block (3.50mm Pitch, AWG 26-16), Normally Open (NO) Dry Contact
Relay output	2-Pin Pluggable Terminal Block (3.50mm Pitch, AWG 26-16), Normally Open (NO) Dry Contact
Network interface	10BASE-T/100BASE-TX RJ45
Network protocols	HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration	Web Interface or Config Tool
Audio codecs	MP2, MP3, PCM, ADPCM
Sampling/bit rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
Frequency response	60Hz~10kHz
THD	≤0.3% at 1kHz
S/N ratio	≥75dB
Ports overview	Line Input; Line Output; Network Port; Relay Input; Relay Output; Power switch; Speaker Output
Speaker output terminal	COM/100V constant-voltage output; COM is common
Broadcasting sources	Management software, IP paging microphones, mobile apps
SIP interoperability	Receives voice announcements from third-party SIP phones via SIP trunk
Remote management	Supports remote configuration and online firmware updates
Power supply	AC 100V-240V, 50/60Hz
Standby power consumption	≤150W
Operating temperature	-10°C~+50°C (14°F~122°F)
Storage temperature	-40°C~+60°C (-40°F~140°F)
Operating humidity	≤90% RH non-condensing
Mounting	Wall-mounted
Installation environment	Dry Indoor Locations Only

PAS-NWA120 | Network Wall Mount Amplifier 120 Watt

Feature	Details
Front panel material	Aluminum Alloy
Chassis material	Surface-Treated Steel Plate
Color	Black
Dimensions	337x283.5x50.5mm
Weight	5.1Kg
Accessories	1×4-Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26-16); 4×Flat Head Self-Drilling Screw & Plastic Wall Anchor; 4×Floor Pad
Certification	CE, RoHS Compliance

Dimension



for more detail reach us @ www.macsystech.com | write us on : contact@macsys.com

©2024 Macsys

Macsys reserve rights to introduce modifications without notice. Product images are for illustrative purposes only, the actual product may vary. Warranty policy applies as described on our website.