

NAS-8504B

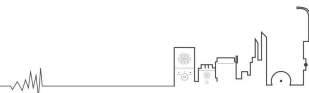
Multi-zone IP Paging Adaptor



SPON Multi-zone IP Paging Adaptor NAS-8504B is a seamless IP interface to analog PA system . The adapter connects directly to a traditional analog amplifier to convert analog PA system to IP based system. Because of it owns multi-zone function , make it more suitable for multi-zone application scenarios ,such as Commercial complex 、 Building .etc.

MAIN FUNCTIONS

1. 1U rack-mounted design .
2. Ideal for integrating legacy analog public address (PA) systems .
3. Adopts high-speed industrial dual core(ARM+DSP) chip ,start time $\leq 1s$.
4. With independent 8 zoning function , suitable for multi-zone environment with the same audio source.
5. With controlled power output interface to control the switch of external amplifier.
6. Independent 8 Relay output with DC 24V to control external forced switch equipment .
7. With Line output interface to connect with legacy amplifier for receive broadcasting from SPON management software.
8. Support to receive zone paging from IP paging mic .
9. Support remote management and online upgrade .



SPECIFICATION

Power Parameters

Power Supply: AC 100V-240V 50/60Hz

Standby Power Consumption: $\leq 10W$

Audio Parameters

Audio Codec: MP2, MP3, PCM, ADPCM

Audio Sampling & Bit Rate: 8kHz~44.1kHz, 16bit, 8kbps~320kbps

Frequency Response: 60Hz-20kHz

S/N (Broadcast-Speaker): $\geq 75dB$

THD (Total Harmonic Distortion): $\leq 0.3\%$, 1kHz

Network Parameters

Network I/F: 10BASE-T/100BASE-TX RJ45

Network Protocol: TCP/IP、UDP、ARP、ICMP、IGMP

Configuration Method: DevConfig Tool

Mechanical & Environment Properties

Mounting Method: 1U Rack-Mounted

Installation Environment: Dry Indoor Locations Only

Operating Temperature: $-10^{\circ}C \sim +50^{\circ}C$ ($14^{\circ}F \sim 122^{\circ}F$)

Storage Temperature: $-20^{\circ}C \sim +60^{\circ}C$ ($-4^{\circ}F \sim 140^{\circ}F$)

Operating Humidity: $\leq 90\%$ RH non-condensing

Front Panel Material: Brushed Aluminum

Housing Material: Surface-Treated Steel Plate

Color: Black

Product Dimensions: 483x259x44mm

Product Weight: 3.2KG

Product Warranty: 2 Years Limited

Accessories

Standard Accessories: 4×4-Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26-16)、1×RCA Male to Male Stereo Audio Cable (Length: 1.5m)、1×Quick

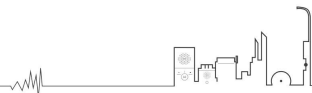
Installation Guide、1×Quality Certificate、1×Warranty Card

Optional Accessories: Power Cord (IEC C13 Female - Type B/F/G Power Plug)

Compliance

CE (EMC Directive 2014/30/EU)

CE (LVD Directive 2014/35/EU)



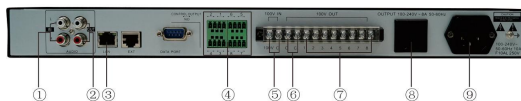
INTERFACE DESCRIPTION

[Front Panel]



① The power switch and power indicator

[Rear Panel]



① Audio input port: Dual RCA Jacks (Unbalanced, Sensitivity/Impedance: 500mV/10k Ω), connect to external audio sources.

② Audio output port: Dual RCA Jacks (Unbalanced), access to the audio pre-amplifier, audio power amplifier and mixer, etc.

③ Network input port: Insert the server relevant cable to make the terminal login normally.

④ Short circuit output port: 2-Pin Pluggable Terminal Block (3.81mm Pitch, AWG 26-16), Normally Open (NO) Dry Contact with DC 24V Power Output .

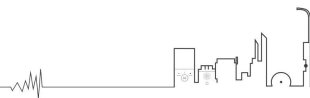
⑤ Constant voltage (100V) audio input: 2-Pin Screw Terminal Block, connecting to 100V constant-voltage amplifier output of legacy analog amplifier.

⑥ Constant voltage power output interface: A cold port respectively corresponding to the four hot port.

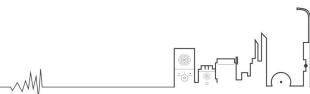
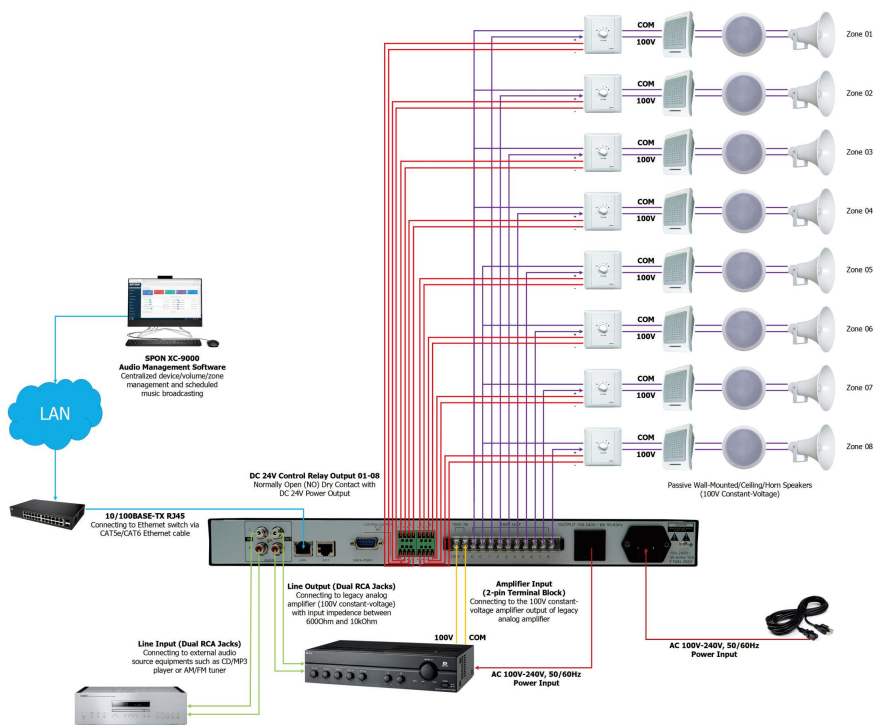
⑦ Zone control output interface: with 8 zone control output interface; Cooperate with service software , can control Constant pressure audio (100V) 's signal out from which zone.

⑧ Power control output port: AC 100V-240V 50/60Hz, connecting and driving external legacy analog amplifier (maximum capacity: 1600W) , when the audio terminal received the audio, the audio terminal start to free AOD or the audio terminal received the signal of enable power supply control output.

⑨ Power input port



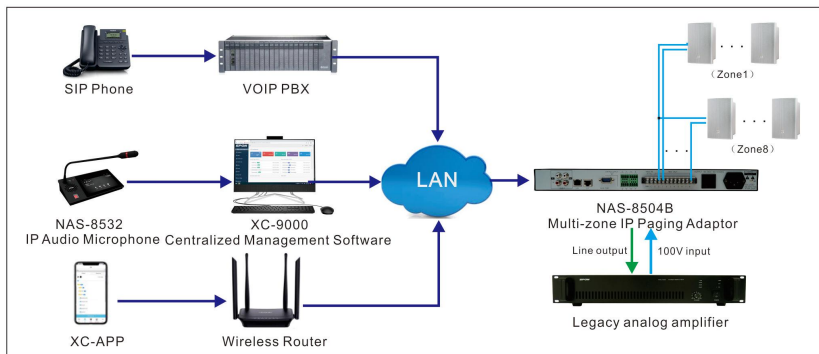
CONNECTION DIAGRAM



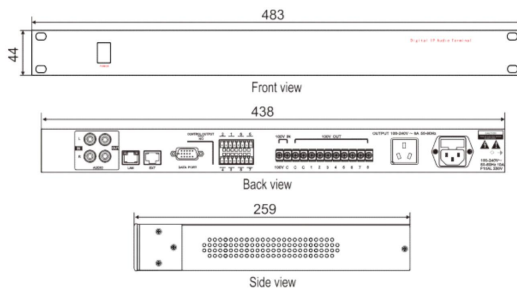
TYPICAL APPLICATION

APPLICATION 1

The Multi-zone IP Paging Adaptor NAS-8504B can receive broadcast initiated by the 3-rd party VOIP telephone、SPON IP paging microphone/APP(Windows、Android/IOS),etc.



DIMENSION DRAWING



Installation instructions:

The Multi-zone IP Paging Adaptor NAS-8504B adopts rack type installation. Please refer to the following external installation size diagram to install the equipment in a cabinet of suitable size.

