

XC-9610

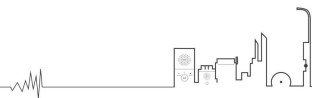
IP POE Multicast Ceiling Speaker



SPON IP POE Multicast Ceiling Speaker XC-9610 is a SIP compliant and multicast-capable PoE+ network audio device for public address and notification, it supports common network protocols for easy integration with SIP- compatible VOIP system . It is suitable for hotel, company and other indoor public areas that need simple wiring.

MAIN FUNCTIONS

1. Adopts High speed industrial grade dual core (ARM+DSP) chip .
2. Narrowband encoding: G.711a/u and broadband encoding: G.722 enables high intelligibility voice paging .
3. Equipped with 10 multicast address for receiving paging from SIP phone .
4. Equipped with Multicast scalable function , saves SIP account resources.
5. Support to play the background music, emergency paging and alarm signal from the SPON management system.
6. Support standard SIP protocol for easy intergration with mainstream SIP PBX(Yeastar, Asterisk, Cisco,etc,).
7. Support dynamic volume control function , adjust volume automatically according to ambient noise .
8. Support IEEE 802.3at PoE+ interface for flexible deployment .
9. Support remote management and online upgrade .



SPECIFICATION

Power Parameters

Power Supply: DC 24V/1A, PoE (IEEE802.3af), PoE+ (IEEE802.3at)

Standby Power Consumption: $\leq 3W$

Rated Power Output: 20W (at DC 24V/1A powered)、18W (at PoE+ powered)
15W (at PoE powered)

Audio Parameters

Audio Codec: G.711A-law, G.711 μ -law, G.722

Sensitivity: 88dB \pm 3dB (1W, 1m)

Maximum SPL: 97dB \pm 3dB

S/N (Signal-to-Noise) Ratio: ≥ 80 dB

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

Frequency Response: 100Hz~18kHz

Network Parameters

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

Network Protocol: SIP (RFC3261), FTP, HTTP, TCP/IP, UDP, ARP, ICMP, IGMP

Configuration Method: Web Interface or DevConfig Tool

Mechanical&Environment Properties

Mounting Method: Ceiling-mounted

Installation Environment: Dry Indoor Locations Only

Operating Temperature: -20 $^{\circ}$ C~+50 $^{\circ}$ C (-4 $^{\circ}$ F~122 $^{\circ}$ F)

Storage Temperature: -30 $^{\circ}$ C~+60 $^{\circ}$ C (-22 $^{\circ}$ F~140 $^{\circ}$ F)

Operating Humidity: 10%~90% RH non-condensing

Body Material: ABS Composite Plastic

Color: Off-White

Product Dimensions: ϕ 213x165mm

Product Weight: 1.4KG

Packaging: Carton Box

Packed Dimensions: 260x250x240mm

Packed Weight: 2.4KG

Product Warranty: 2 Years Limited

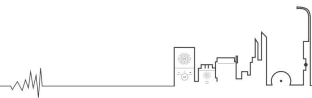
Accessories

Standard Accessories: 1 \times 2-Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26-16)、1 \times Waterproof Joint、1 \times Quick Installation Guide、1 \times Quality

Certificate、1 \times Warranty Card

Compliance

CE (EMC Directive 2014/30/EU)、CE (LVD Directive 2014/35/EU)

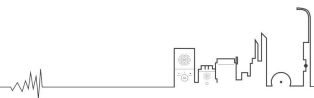
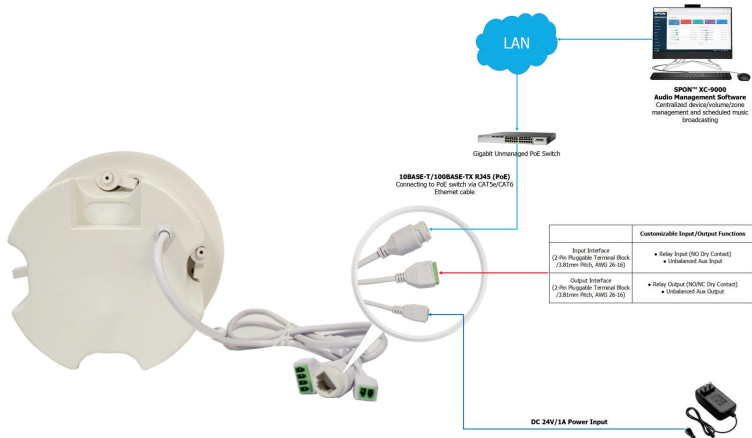


INTERFACE DESCRIPTION



- ① Network Port: To connect with Ethernet switch.
- ② Reserved Port: Can be customized as Relay I/O.
- ③ Power Port: To connect with power supply.

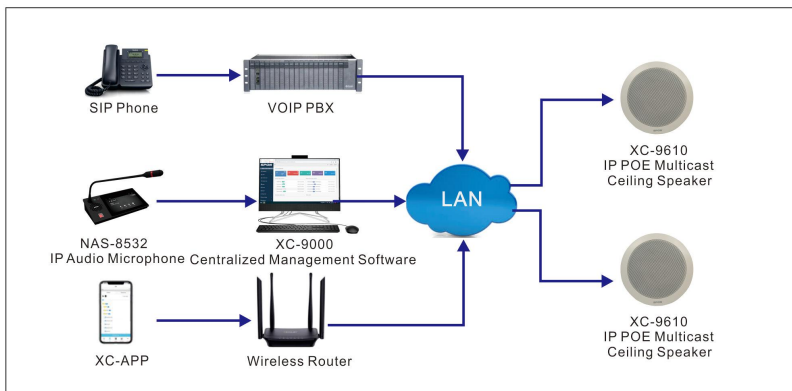
CONNECTION DIAGRAM



APPLICATION

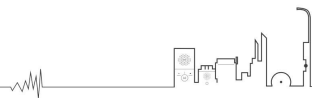
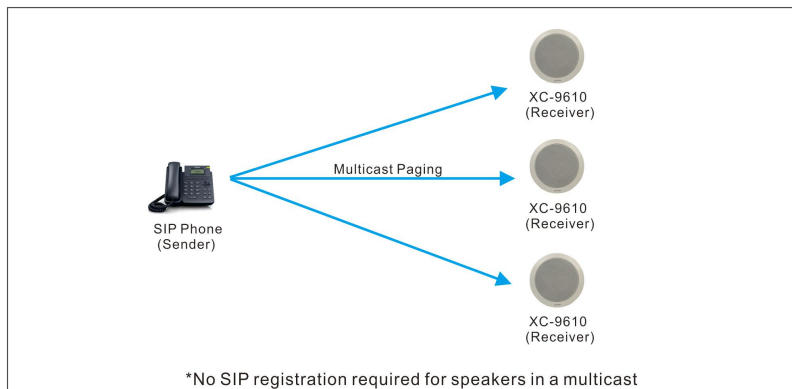
Application 1

The IP POE Multicast Ceiling Speaker XC-9610 support SIP protocol which can be independently used as a sip endpoint to integrated with mainstream VOIP system for receiving sip call from SIP phone or SIP softphone ; Meanwhile , it also can receive broadcast from SPON management software 、 IP Paging Mic and XC-APP .



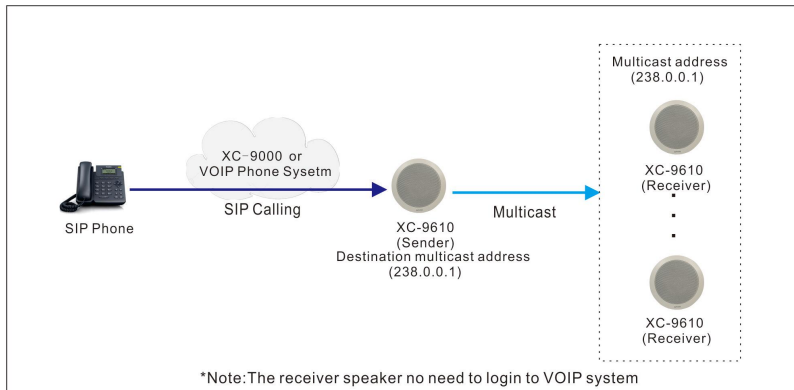
Application 2

The IP POE Multicast Ceiling Speaker XC-9610 support paging from SIP phone by using multicast address , the multicast address and priority can be set on its webpage .



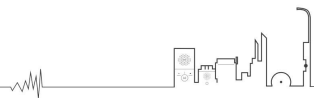
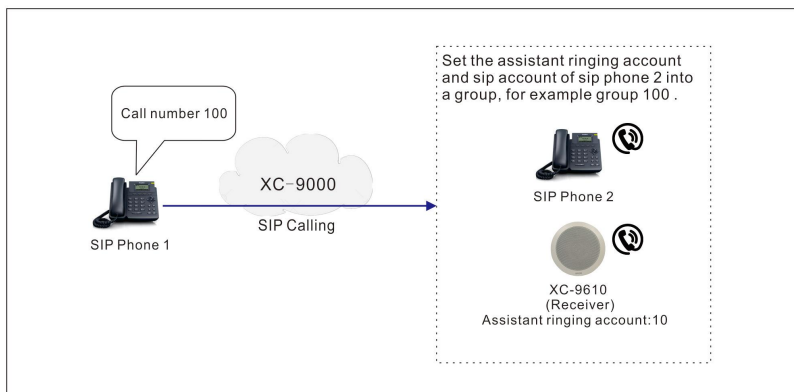
Application 3

The IP POE Multicast Ceiling Speaker XC-9610 support "Multicast scalable" function ,when SIP phone initiate call to one horn speaker which registered to VOIP system, the other speakers with same multicast address will simultaneously receive the sip calling from the SIP phone.

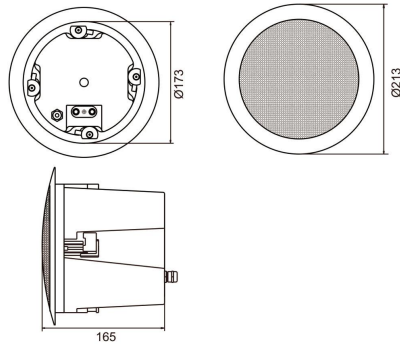


Application 4

The IP POE Multicast Ceiling Speaker XC-9610 support "Loud ringing extension"function. The assistant ringing SIP account of horn speaker and the SIP phone can be put into a ringing group(set on XC-9000). When calling to group account, all terminals in the same group will ringing. The ringing will be stopped after the call is answered by sip phone.



INSTALLATION



1. Drilling a hole, the size please refer to the dimension diagram.
2. Connecting the network cable with the IP Ceiling Speaker. (The network cable should be placed in the hole).
3. Placing the speaker in a suitable place to the hole, and ensure it is fixed well.

