



GEN-6211A03

Network Ceiling Speaker

SPON IP PoE Ceiling Speaker GEN-6211A03 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 FEATURES

Performance and Encoding

- Employs a high-speed, industrial-grade dual-core (ARM+DSP) chip for superior processing power.
- Features versatile voice encoding with both narrowband (G.711a/u) and broadband (G.722) options for crystal-clear voice paging.



Connectivity & System Integration

- Supports receiving paging from SIP phones through 10 dedicated multicast addresses.
- Incorporates a multicast scalable function, efficiently saving SIP account resources.
- Fully compatible with standard SIP protocols for seamless integration with leading SIP PBX systems like Yeastar, Asterisk, and Cisco.

Audio Management & Network Functionality

- Facilitates background music, emergency paging, and alarm signals from the SPON management system.
- Features dynamic volume control that automatically adjusts based on ambient noise.
- Offers flexible deployment with PoE or PoE+ interface support.
- Equipped with remote management and online upgrading capabilities for ongoing system optimization.



SPECIFICATION

Power Parameters

Power Supply:	DC 24V/1A, PoE (IEEE802.3af), PoE+ (IEEE802.3at)
Standby Power Consumption:	≤3W
Rated Power Output:	20W(@DC 24V/1A Powered) 15W (@PoE Powered) 20W (@PoE+ Powered)

Audio Parameters

Audio Codec:	G.711A-Law, G.711μ-Law, G.722
Sensitivity:	88dB±3dB (1W, 1m)
Maximum SPL:	97dB±3dB
S/N (Signal-To-Noise) Ratio:	≥80dB
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°C~+50°C (-4°F~122°F)
Operating Humidity:	10%~90% RH Non-Condensing
Body Material:	ABS Composite Plastic
Color:	Off-White
Product Dimensions:	Φ213x165mm
Product Weight:	1.4KG
Packaging:	Carton Box
Packed Dimensions:	260×250×240mm
Packed Weight:	2.4KG
Product Warranty:	2 Years Limited

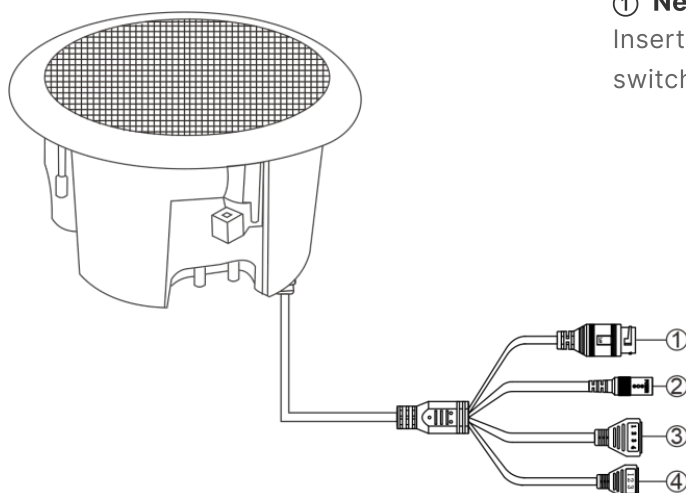
Accessories

1 × 3-Pin Pluggable Terminal Block Connector
1 × 4-Pin Pluggable Terminal Block Connector
1 × Waterproof Joint
1 × Quick Installation Guide
1 × QualityCertificate&Warranty Card

Compliance

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

PORTS DESCRIPTION



① Network interface

Insert a cable to the switch or POE switch.

② Power interface

DC24V/1A, supply for the Network Wall Mount Speaker. (The device supports POE, need no more power supply if the network interface are already connected with POE switch.)

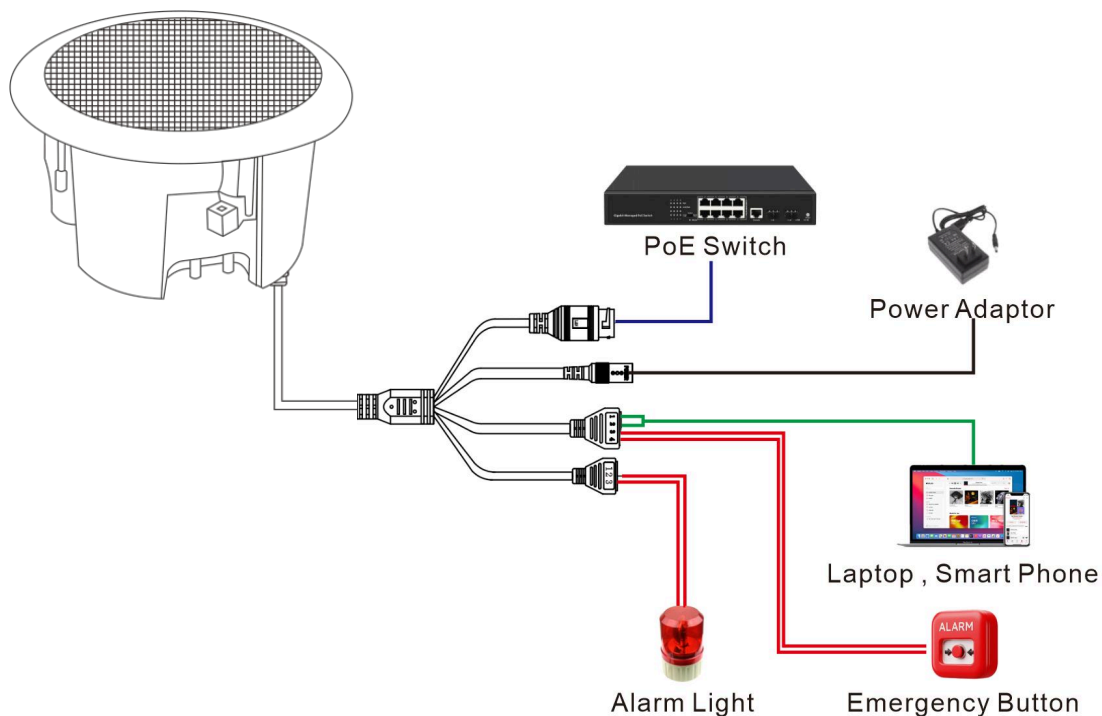
③ Integrated interface

1: Line in	3: Alarm in
2: GND	4: GND

④ Alarm out interface

1: Normal close end
2: Common end
3: Normal open end

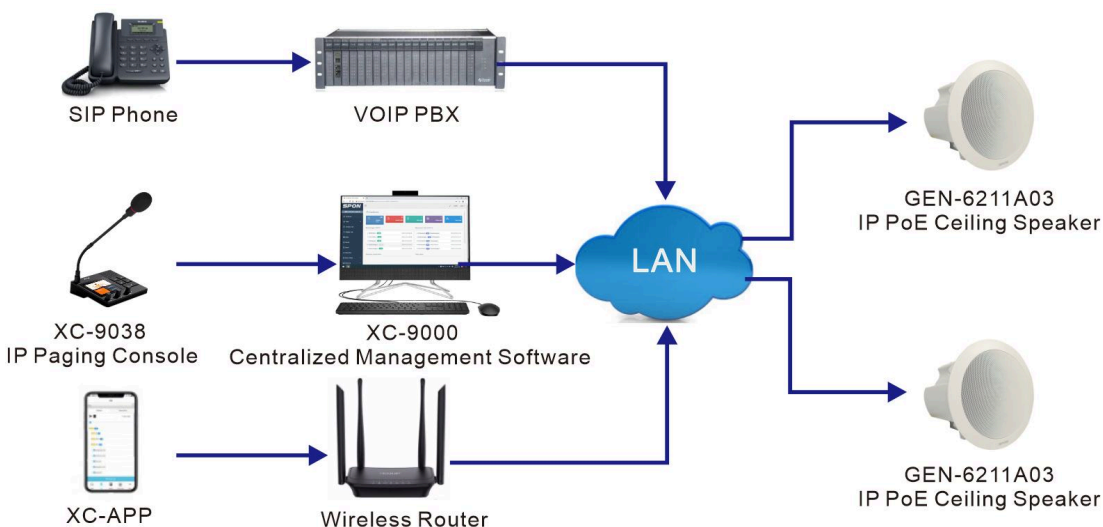
CONNECTION DIAGRAM



APPLICATION

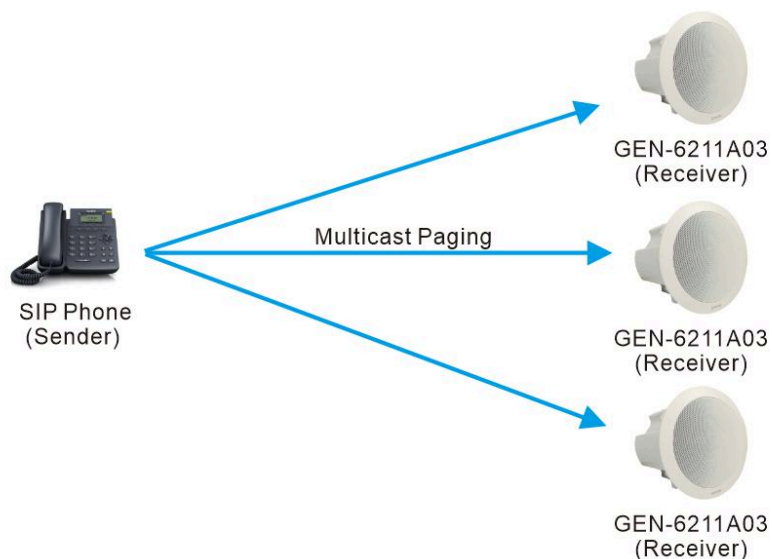
Application 1

IP PoE Ceiling Speaker GEN-6211A03 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

IP PoE Ceiling Speaker GEN-6211A03 support paging from SIP phone by using multicast address , the multicast address and priority can be set on its webpage .



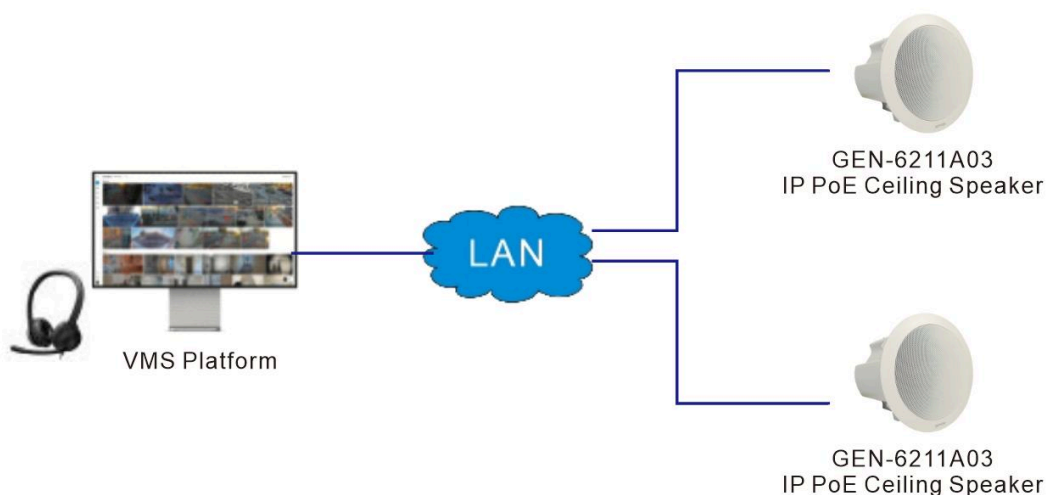
*No SIP registration required for speakers in a multicast

APPLICATION

Application 3

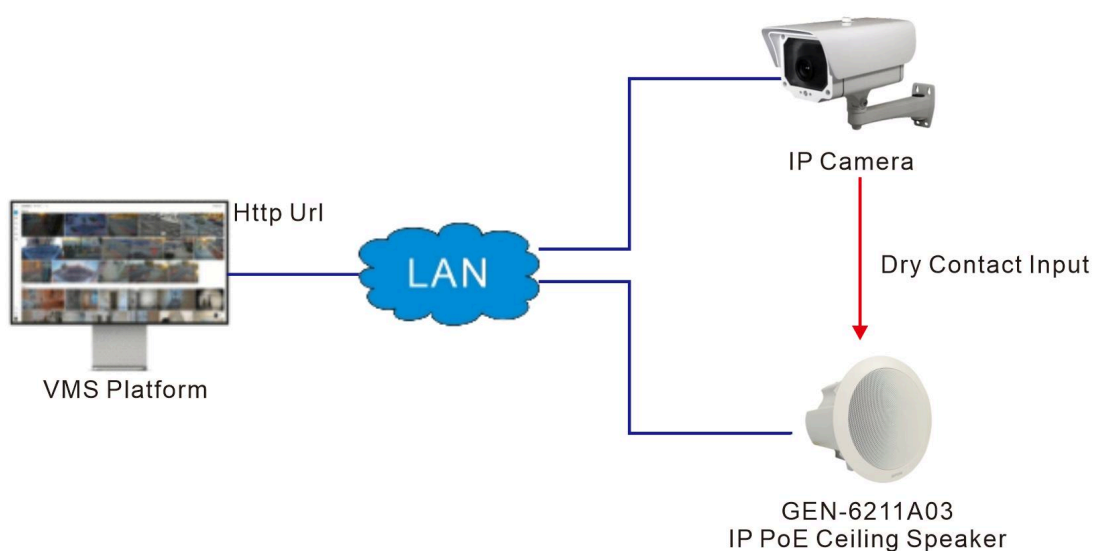
The IP PoE Ceiling Speaker GEN-6211A03 is compatible with the standard Onvif protocol and can be independently registered to third-party VMS platforms. Operators can initiate real-time voice announcements to a designated individual speaker using a headset.

Note: This feature requires the VMS platform to support the voice announcement function.



Application 4

The IP PoE Ceiling Speaker GEN-6211A03 supports uploading audio files via a push tool. It can trigger file playback through camera-linked alarm signals or by integrating the speaker's HTTP URL into the VMS platform for synchronized file playback.



CASE



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