

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- compatibal VOIP system. It is suitable for hotel、company and other indoor public areas that need simple wiring.



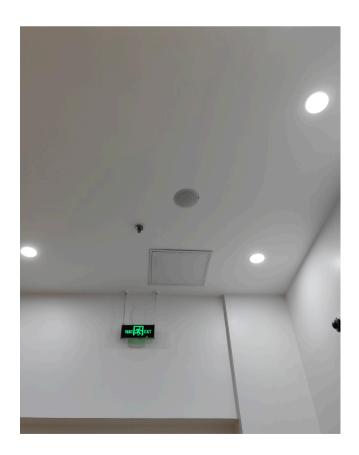




MAIN FEATURES

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

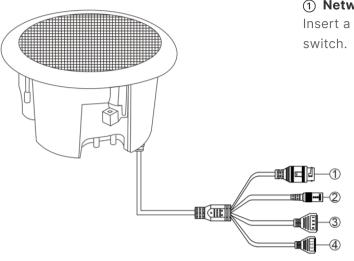
Mechanical&Environment Properties		
Mounting Method:	Ceiling-Mounted	
Installation Environment:	Dry Indoor Locations Only	
Operatiing Temperature:	-20°C~+50°C (-4°F~122°F)	
Operating Humidity:	10%~90% RH Non-Condensing	
Body Material:	ABS Composite Plastic	
Color:	Off-White	
Product Dimensions:	Ф213x165mm	
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 DESCRIBTION



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.)

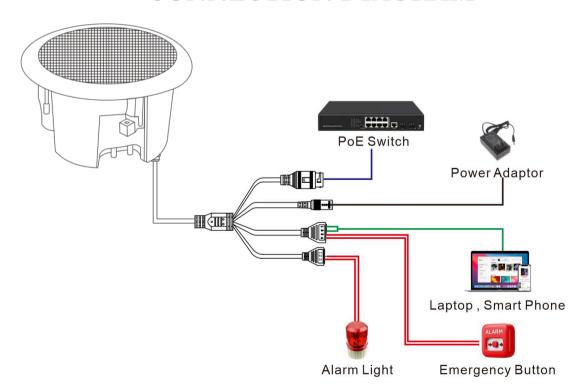
③ Integrated interface

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

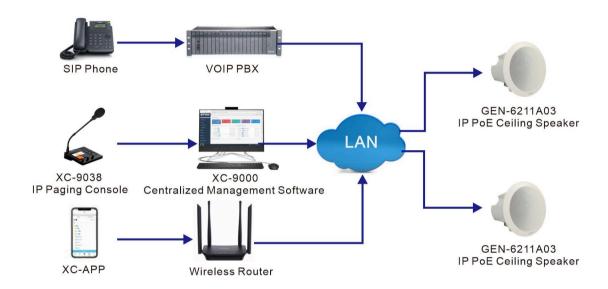
CONNECTION DIAGRAM



APPLICATION

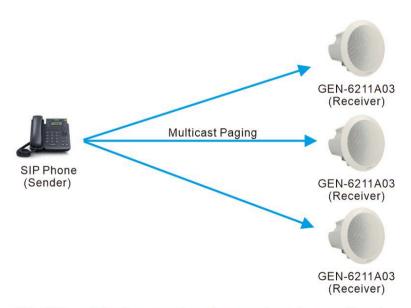
Application 1

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.



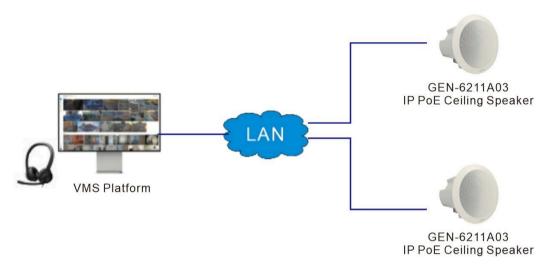
*No SIP registration required for speakers in a multicast

APPLICATION

Application 3

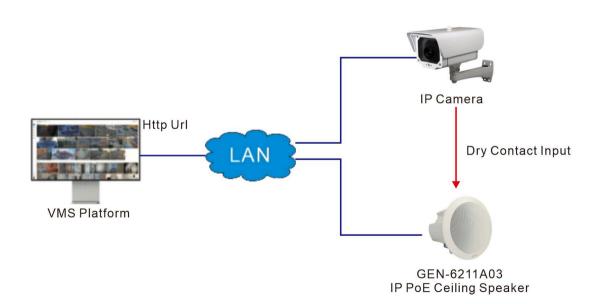
The IP PoE Ceiling Speaker GEN-6211A03 is compatible with the standard Onvif protocol and can be independently registered to third-party VMS platforms. Operators can initiate real-time voice announcements to a designated individual speaker using a headset.

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.



SPON

CASE







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