

Revision History

Document Version	Update Content	Update Date
v1.0.0	Initial Issue	2026/5/26

C8215

Network Ceiling Speaker

Product Datasheet



KEY FEATURES

- Built-in 15W amplifier, 150Hz to 20KHz frequency range and 103dB max sound pressure level.
- Standard PoE (IEEE 802.3af/at) support or External power supply(DC 24V 2A).
- Supports 48K OPUS high-quality audio encoding.
- Compatible with SIP phone system.
- Compatible with VMS via ONVIF.
- Supports three SIP accounts.
- Support HTTP API for alarm in transmit.

Specifications

Speaker

Speaker component	1 x 6" Woofer+1 x 1" Coaxial driver unit
Sensitivity	92dB/1m/1W
Max sound pressure level	103dB
Amplifier	Class D Amplifier
Rated power	DC: 8Ω 15W or PoE: af-8Ω 8W / at-8Ω 15W
Frequency range	150Hz~20KHz
Coverage Pattern	135° Conical, 30m ²
Acoustics	Mono

Microphone

Microphone	Electret condenser microphone
Directionality	Omni-directional
Installation method	Built-in
Sensitivity	-36±2dB
SNR	65dB
Maximum input sound pressure	110 dB (THD ≤ 3%)
Maximum pickup distance	Up to 10m in a 50dB noise environment

Specifications

Audio	
Audio codecs	G.722, G.711 A-law, G.711 U-law, Opus
Audio streaming	MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, Mono or Stereo
Interface	
Interface	1x RJ45 (POE) 1x 10-pin 3.5mm Phoenix terminal (Dry Contact, Switch, Key, Key Indicator, Satellite Speaker) 1x DC Female interface(5.5*2.1mm)
Network	
Interface	10/100Mbps, support PoE IEEE 802.3af/at
Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
Administration	
Configuration	Web interface or auto provisioning server
Provisioning method	MQTT IoT Protocol
Hardware Specifications	
Memory	128MB RAM, 256MB Flash
Power input	PoE IEEE802.3af/at standard adaptive or DC 24V-2A
Casing	Iron+ABS+Aluminum-Alloy Grille
Color	White
Weight	1.90KG
Dimension	Ø230 x 150 mm (9.06 x 5.90 in)
Mounting method	Cut holes in the ceiling and secure with screws
Environmental	
Installation environment	Indoor
Operating temperature	-20°C- 50°C (-4°F - 122°F)
Storage temperature	-40°C- 70°C (-40°F - 158°F)
Humidity	10% - 95% RH Non-condensing
Approvals	
Approvals	EN 55032:2015, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 62368-1:2014+A11:2017, FCC Pat 15B

Frequency Response Curve

