

Revision History

Document Version	Update Content	Update Date
v1.0.0	Initial Issue	2025/11/6

L8160

Network Column Speaker

Product Datasheet



KEY FEATURES

- Built-in 60W amplifier, 100Hz to 18KHz frequency range and 106dB max sound pressure level.
- With IP65 protection rating and well thermal durability.
- External power supply(DC 24V 3A).
- 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	1x0.75"high-frequency+ 2x4"full-range driver unit
Sensitivity	90dB/1m/1W
Max sound pressure level	106dB
Amplifier	Class D Amplifier
Rated power	DC: 2Ω 60W
Frequency range	100Hz~18KHz
Coverage Pattern	135°, Optimal distance 50m
Acoustics	Mono
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 3-pin 3.81mm Phoenix terminal (Dry Contacts) 1x2-pin 3.81mm Phoenix terminal (switch) 1x DC Female interface (5.5*2.1)

Specifications

Network	
Interface	10/100Mbps
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
Mechanical Properties	
Memory	128MB RAM, 256MB Flash
Power input	DC 24V-3A
Casing	ASA
IP Rating	IP65
Color	Gray
Weight	3.4KG
Dimension	510 x 130 x 120 mm (20.08 x 5.12 x 4.72 in)
Mounting method	Wall/Pole mounted
Environmental	
Installation environment	Indoor/Outdoor
Operating temperature	-30°C- 70°C (-22°F - 158°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 ,IP65

Frequency Response Curve

