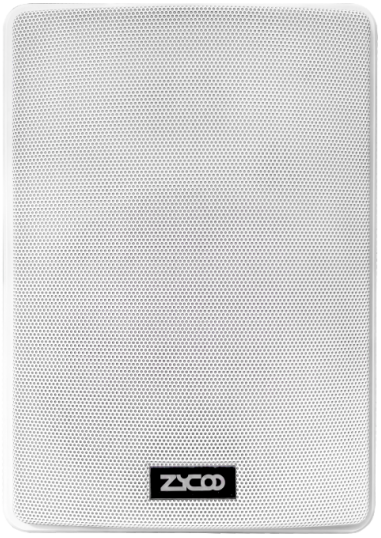
IPS-W1

Network Wall Mount Speaker

Product Datasheet



Description

The ZYCOO IPS-W1 Network Wall Mount Speaker is an IP-based audio communication endpoint designed for live paging, public announcements, background music, and emergency notifications. Utilizing SIP and multicast technologies, the IPS-W1 provides clear, intelligible, and reliable audio communication for a wide range of indoor applications.

The IPS-W1 can operate as a standalone network speaker providing up to 16 W of audio output. It can also be paired with a ZYCOO APS-W1 Extension Wall Mount Speaker to expand audio coverage from a single network endpoint. This configuration can reduce network cabling requirements, minimize PoE switch port utilization, and lower overall installation costs.

The IPS-W1 is well suited for corridors, classrooms, offices, retail spaces, healthcare facilities, and other indoor environments requiring clear and directional audio distribution. The speaker provides reliable voice communication for routine announcements, paging, background music, and critical emergency notifications.

Features

- Supports the addition of one APS-W1 Extension Speaker
- Built-in microphone for two-way intercom
- AGC adjusts volume based on ambient noise levels using an independent microphone
- Compatible with VC-Z01 Network Volume Controller
- ONVIF compatible
- Supports PoE/PoE+
- Configure and control via web UI
- Can be integrated with ZYCOO IP Audio Center or third-party IP-PBX systems
- Three SIP account lines supported
- Multicast and P2P supported
- Flexible API

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Specifications

Power Input	PoE / PoE+(IEEE 802.3af /at) or external DC power supply (24V / 2A)
Power Consumption	DC: 18 W(standalone), 34 W(with extension speaker) PoE+: 18 W(standalone), 18 W(with extension speaker) PoE: 12 W(standalone), 12 W(with extension speaker)
Amplifier Type	Class-D
Speaker Component	5.25" Woofer Driver Unit + 1.5" Tweeter Driver Unit
Audio Power	DC: 16 W(standalone), 2 x 16 W(with extension speaker) PoE+: 16 W(standalone), 2 x 8 W(with extension speaker) PoE: 10 W(standalone), 2 x 5 W(with extension speaker)
Speaker Sensitivity	85dB/1m/1W
Max Sound Pressure Level	DC: 95 dB(standalone), 2x95 dB(with extension speaker) PoE+: 95 dB(standalone), 2x93 dB(with extension speaker) PoE: 93 dB(standalone),2x90 dB(with extension speaker)
Frequency Response	70Hz ~ 20kHz
Microphone Sensitivity	-38±2dB
Audio Stream	MP3 Sampling Rate 8~48KHz, Bit Rate 64~320kbps, Mono or Stereo
Network Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, PTP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
Ports	RJ45 Network(10/100 Mbps Adaptive), RJ45 Ext. Speaker port, 2-Pin Connector External Power, 3-Pin Connector Dry Contact Output, 2 x 2-Pin Connector Input
Mounting	Wall-mount
Material	UL94-V0 Rated ABS Material, Thickened, Flame Resistant
Regulatory	FCC PART-15B sDoC Bluetooth/BLE2.4G-WiFi ETSI EN 300 328V2.2.2(2019-07) 5G Wi-FiB1 ETSI EN 301 893 V2.2.1(2024-11) EMC ETSI EN 301489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.3.2 (2023-01) ETSI EN 301 489-17V3.3.1 (2024-09) EN55032:2015+A11:2020 EN55035:2017+A11:2020 ENIEC 61000-3-2:2019+A2:2024 EN 61000-3-3:2013+A2:2021 EN IEC62368-1:2024+A11:2024

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Specifications

Dimensions	9.45” x 7.09” x 5.91” (240mm x 180mm x 150mm)
Weight	6.17lbs, 2.8kg
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)
Warranty	24 months

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Application



Healthcare



Education



Industry/Commercial



Transportation

A&E Specification

The Network Wall Mount Speaker shall be an IP-based audio communication endpoint designed to provide live paging, public announcements, background music, and emergency notification throughout indoor facilities. The speaker shall utilize SIP and multicast technologies to provide clear, intelligible, and reliable network-based audio communication.

The Network Wall Mount Speaker shall be capable of operating as a standalone network audio endpoint or in conjunction with a compatible extension speaker to expand audio coverage from a single network connection.

The network Wall Mount Speaker shall incorporate a Class-D amplifier and shall provide audio output suitable for paging, announcements, background music, and emergency notification. The amplifier shall support the following maximum audio power configurations DC powered 16W or 2x16W with extension speaker, PoE+ powered 16W or 2x8W with extension speaker, and PoE powered 10W or 2x5W with extension speaker. The speaker assembly shall incorporate one 5.25-inch woofer driver and one 1.5-inch tweeter driver. The speaker shall provide a sensitivity of 85 dB at 1m/1W, a maximum sound pressure level shall be 95 dB, and a frequency response shall be 70 Hz to 20 kHz. The device shall support the following SIP audio codecs G.722, G.711 A-law, G.711 U-law, and Opus. The device shall support MP3 audio streaming. The device shall provide 10/100 Mbps Ethernet connectivity supporting IEEE 802.3af PoE and IEEE 802.3at PoE+. The Network Wall Mount Speaker shall provide an RJ45 speaker output connection for connection to a compatible extension speaker. The device shall incorporate a microphone for supported communication and system functions. The microphone shall have a sensitivity of -38 ±2 dB. The device shall provide the following physical connections one RJ45 network port, one RJ45 speaker output port, one 2-pin Phoenix connector for external power, one 3-pin connector for dry contact output, and two 2-pin connector for switch input. The enclosure shall be constructed from UL94-V0-rated ABS material. The enclosure shall be thickened and flame resistant. The speaker shall be designed for wall-mounted installation. Any device that does not include the features described shall not be considered.

All information contain within is subject to change without notice.

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