IPS-M1-D2W

Network Multi-Info Speaker

Product Datasheet



Description

The ZYCOO IPS-M1-D2W Network Multi-Info Speaker is a SIP-enabled, IP-based communication endpoint that combines high-quality audio broadcasting, dual-sided visual messaging, and integrated strobe light alerting within a single device. Utilizing industry-standard SIP and multicast technologies, the IPS-M1-D2W delivers reliable voice communication and highly visible notifications for both routine operations and emergency communications.

The IPS-M1-D2W features dual-sided LCD displays that present synchronized information simultaneously on both sides of the device, ensuring maximum message visibility in corridors, open spaces, and public areas. The displays support configurable text, background colors, and customizable display layouts, while programmable strobe light profiles provide enhanced visual notification for emergency events, lockdowns, evacuations, and other critical situations.

Integrated Wi-Fi connectivity enables flexible network deployment where wired infrastructure is limited, and Bluetooth® Low Energy (BLE) support allows seamless integration with wearable smart buttons for rapid emergency activation and coordinated system-wide responses.

The IPS-M1-D2W is powered by PoE+. The device supports both wall and ceiling mounting, making it suitable for a wide range of applications.

Ideal for educational, healthcare, transportation, commercial, industrial, and public safety environments, the IPS-M1-D2W provides a comprehensive audio-visual communication solution that enhances situational awareness, improves emergency response, and ensures critical messages are clearly seen and heard.

Features

- Supports zone paging & notifications
- Emergency alerts
- High-quality audio
- Wall-mount and ceiling-mount
- Dual microphone design for talkback
- AGC adjusts volume based on ambient noise levels
- Available templates for alerts
- Caller-Id
- Countdown timer scheduled events
- Built-in 8 GB storage
- Event Scheduler
- Wi-Fi Enabled
- Supports BLE-based wearable smart buttons to enable emergency triggering
- ONVIF compatible
- Configure and control via web UI
- Can be integrated with ZYCOO IP Audio Center or third-party IP-PBX systems
- 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:32 W; PoE+:22 W; PoE:12 W
Amplifier Type	Class-D
Speaker Component	Two 2" x 5" Full Range Driver Units
Audio Power	DC: 2 x 10 W; PoE+: 2 x 6 W; PoE: 2 x 1.5 W
Speaker Sensitivity	88dB/1m/1W
Max Sound Pressure Level	DC:98 dB; PoE+:96 dB; PoE:91 dB
Frequency Response	200 Hz ~ 20 kHz
Microphone Sensitivity	-36±2 dB
Microphone Sensitivity (Ambient)	-36±3 dB
Audio Stream	MP3 Sampling Rate 8~48KHz Bit Rate 64~320kbps, Mono or Stereo
SIP Audio Codecs	G.722, G.711 A-law, G.711 U-law, Opus
AudioStorage	8GB
Display Type	Two 16-bit RGB High Resolution Back-Lit Color LCD Displays
Brightness	600 NITS
Resolution	1920 × 480
Strobe Light Color	Red, Green, Blue with Adjustable Brightness
Ethernet (Wired)	10/100 Mbps, Adaptive
Wi-Fi	2.4GHz & 5GHz, IEEE 802.11 a/b/g/n/ac/ax
Bluetooth	Bluetooth 5.0, BLE Supported
Network Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, PTP, RTP, RTCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
Ports	RJ45 Network, 2-Pin Connector External Power 3-Pin Connector Dry Contact Output, 2-Pin Connector Input
Mounting	Wall-mount and Ceiling-mount Installation via Bracket
Material	Aluminum, Finished in Textured White Epoxy

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Specifications

Regulatory	FCC PART 15B sDoC CE-AOCBluetooth/BLE/2.4G Wi-FiETSI EN 300 328 V2.2.2 (2019-07) 5G Wi-Fi B1ETSI EN 301 893 V2.2.1(2024-11) EMC ETSI EN 301489-1 V2.2.3 (2019-11) ETSIEN 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
Dimensions	17.7" x 5.1" x 6.1" (450mm x 130mm x 155mm)
Weight	6.6lbs, 3kg (with Mounting Bracket)
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

Provide IP-based network multi-information LCD display speaker for corridor, classroom, and public area communications. Devices shall provide synchronized audio, dual-sided LCD messaging, and LED strobe notification from a single network endpoint. The unit shall support SIP, multicast audio, two-way intercom, scheduled messaging, emergency notifications, and integration with IP paging and mass notification systems. Acceptable product: ZYCOO IPS-M1-D2W Network Multi-Info Speaker.

The unit shall operate using PoE+ (IEEE 802.3at) with optional external DC power. The unit shall Include dual full-range loudspeakers with Class-D amplifier provide dual-sided high-resolution color LCD displays operating simultaneously and Include RGB LED strobe indicators with programmable profiles. The unit shall support SIP, multicast, peer-to-peer audio, and ONVIF compatibility. Dual microphones for talkback and ambient noise sensing with automatic volume adjustment shall be included. Support for Wi-Fi (2.4 and 5 GHz), Bluetooth Low Energy for wearable emergency buttons, and 10/100 Ethernet shall be native. Storage for audio files with a minimum of 8 GB shall be included. Displays for clock, caller-Id, countdown timers, scheduled messages, emergency text, and paging information shall be included. The unit shall support web-browser configuration, API integration, and a minimum of three SIP registrations.

Install in accordance with manufacurer's recommendations. Connect to the owner's IP network using Category cabling and PoE+ switches. Products that do not include all the features listed shall not be considered.

All information contain within is subject to change without notice.

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