Admoveo Systems

AUDIO, TIME AND DATA

AM100

Dispatch Microphone Console

The AM100 Dispatch Microphone Console is a versatile and high-performance SIP-enabled device for seamless communication. It features 30 programmable fast keys that can be used for paging, intercom, music playback, outbound phone calls, and emergency alarm activation. With multicast and peer-to-peer technology, it serves as a standalone serverless console for individual and group paging, internal calls, and more. The AM100 Dispatch Microphone Console is ideal for a wide range of industries, including emergency services, schools, transportation, and hospitality.

Application Scenarios


Schools


Venues


Office Buildings


Airports


Health Care


Financial Institutions


Hotels


Government Agencies


Shopping Malls

Retail Shops

Feature Highlights

▶ Server-less paging up to 30 zones

AM100 uses multicast technology and a sophisticated controlling mechanism to enable communication to up to 30 zones or individual devices without the need for a separate server.

▶ Event Action Scheduler

The event scheduler can effortlessly schedule up to 30 events, specifying their activation within a designated date range and time, ensuring seamless execution and precise control.

▶ External Music Collection

With the AM100, you can easily connect an external music source, such as an MP3 to play music through the system, providing a convenient way to play other audio content.

▶ Music and Pre-recorded Message

The AM100 features a TF card slot that allows you to store and play pre-recorded messages and music within the device's system, making it ideal for announcements or background music.

▶ Standard SIP Integration

Standard SIP protocol making it easy to integrate into existing infrastructure such as an IP-PBX, and to create a flexible and scalable communication system with other SIP-based devices.

▶ Versatile Functionality

In addition to its wide range of audio applications, the AM100 can also send HTTP requests to external applications for certain actions, providing added versatility and functionality.

▶ Easy Installation with PoE

The AM100 is designed for easy installation, with simple wiring by connecting it to an existing IP network with a PoE cable, eliminating the need for additional wiring or power supplies.

▶ Multiple Lines SIP Accounts

AM100 supports three lines SIP accounts, in which users may register the microphone station in more than one system for achieving different functionality purposes.

Specifications

Speaker	
Speaker Component	φ45mm full frequency
Sensitivity	95±3dB / 1W / 1m
Max Sound Pressure Level	100dB
Impedance	8Ω
Power	3W
Gooseneck Microphone	
Sensitivity	-36±2dB
Max Sound Pressure Level	110dB
Impedance	680Ω
LCD Display	
Size	4.3 inches
Resolution	480p*272p
Viewing Angle	70°/70°/50°/70° （L/R/U/D）
Color	24-bit 8R8G8B
Audio Jack	
Audio Input	3.5mm audio jack
Audio Output	3.5mm audio jack
Button	
Speed Dial Key	10 physical buttons (support 10*3 programmable virtual buttons)
Page Up & Down Keys	1+1
Answer Button	1
Hang-up Button	1
Mute Button	1
Volume Adjustment Key	1+1
Reset Button	1
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
Network	
Network Interface	10/100Mbps, Support PoE IEEE 802.3 af/at
Network Protocol	SIP (RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
Administration	
Configuration	Web management interface or auto provisioning server
Provisioning	MQTT IoT Protocol

Mechanical Properties	
Power Input	DC 12V 1A or PoE IEEE 802.3af/at
Memory	256MB DDR3, 256MB Flash
Network Interface	RJ45 * 1
Rated Load of Dry Contact	AC125V/0.3A DC30V/1A
RS485	Half duplex
TF Card	32GB
Casing	ABS plastic panel, aluminum profile base
Weight	1.2KG
Dimension	210*190*46 mm
Mounting Method	Desktop installation
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 61000-3-2:2019, EN 61000-3-3:2019, EN 62368-1:2020, FCC Part 15B

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