



IAS-L100

IP Audio Server

IAS-L100 is a hardware server pre-installed with ZYCOO IP Audio Center, which can provide users with the out-of-the-box feature to be ready to use. The IP Audio Center is a comprehensive public address system that provides centralized IP audio endpoints auto provisioning and management features. To achieve features like background music, group paging, audio conferencing, video linkage, IP phone call, and etc. It is suitable for public safety, smart city, secure community, industry, healthcare, and much more application scenarios.

Application Scenarios



Schools



Stations



Shopping Malls



Parks



Offices



Restaurants



Airports



Hotels



Warehouses



Government
Organization

Feature Highlights

▶ Superior Quality Background Music

320Kbps superior quality MP3 music files and streamed media music supported, click to play music or schedule music playing can be achieved. And different music for different zones is also supported.

▶ SIP Paging

Support multiple ways for live paging by dialing a single device or a group number from an IP phone or a SIP microphone to initiate a live SIP paging and/or using the ZYCOO IP Audio Dispatch Console click and trigger paging.

▶ Auto Provisioning and Centralized Management

Using the MQTT IoT protocol, the IP Audio Center can auto-provision, manage, and control local or remote ZYCOO IP audio endpoints within one single system.

▶ SIP Trunk for Inbound/Outbound Calls

The IP Audio Center supports SIP trunks for integration with the third-party SIP server, and as a result, inbound and outbound phone calls are supported.

▶ Video Linkage

IP cameras with RTSP supported can be integrated with the IP Audio Center. Simply inputting the camera's RTSP address, and the system fetches the real-time streaming when an intercom call is initiated.

▶ Audio Conferencing

ZYCOO IP Audio Center supports audio conferencing, and it can manage the conference using the IP Audio Dispatch Console. Invite, mute/unmute, kick out participants options are supported.

▶ Multiple Tasks Type

IP Audio Center supports multiple types of tasks. The immediate task trigger tasks immediately after the task is set. Timetable tasks can be repeatedly played within the specified time range. While the dial-number task is a pre-set task, user may set the task as play background music, emergency alarms, etc., and use a phone to trigger the task.

▶ Third-party Integration

Within the standard built-in SIP protocol, IP Audio Center supports third-party SIP endpoints as well as SIP system integrations. In addition, all API interfaces of the IP Audio Center are available for integration.

More Features

<p>Paging</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Scheduled Paging <input checked="" type="checkbox"/> Automatic Paging <input checked="" type="checkbox"/> Emergency Paging <input checked="" type="checkbox"/> Alarm Paging <input checked="" type="checkbox"/> Live Paging <input checked="" type="checkbox"/> Prerecorded Message Paging 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Text-to-Speech Paging <input checked="" type="checkbox"/> Zone-based Paging <input checked="" type="checkbox"/> Paging Group (Zone) <input checked="" type="checkbox"/> Background Music <input checked="" type="checkbox"/> Streaming Media Music <input checked="" type="checkbox"/> Paging Beep 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Voice Intercom <input checked="" type="checkbox"/> Video Intercom <input checked="" type="checkbox"/> Video Linkage
<p>Telephony</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Call Forward <input checked="" type="checkbox"/> Call Transfer <input checked="" type="checkbox"/> Call Spy <input checked="" type="checkbox"/> Barge Spy <input checked="" type="checkbox"/> Whisper Spy <input checked="" type="checkbox"/> Call Split <input checked="" type="checkbox"/> Wakeup Call 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Audio Conferencing <input checked="" type="checkbox"/> Do Not Disturb (DND) <input checked="" type="checkbox"/> In/Outbound Call Control Auto <input checked="" type="checkbox"/> Receptionist (IVR) <input checked="" type="checkbox"/> Customized IVR Prompts <input checked="" type="checkbox"/> Video Call <input checked="" type="checkbox"/> SIP Trunking 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Feature Codes <input checked="" type="checkbox"/> Paging Beeps <input checked="" type="checkbox"/> Caller ID
<p>System</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> SIP Paging Recording <input checked="" type="checkbox"/> Conference Recording <input checked="" type="checkbox"/> Intercom Recording <input checked="" type="checkbox"/> Call Recording <input checked="" type="checkbox"/> System Logs <input checked="" type="checkbox"/> Call Logs <input checked="" type="checkbox"/> Volume Control <input checked="" type="checkbox"/> Multisite Support <input checked="" type="checkbox"/> Multiple Dispatch User <input checked="" type="checkbox"/> Device Status Monitoring 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Auto Provisioning <input checked="" type="checkbox"/> Device Fault Report <input checked="" type="checkbox"/> Device Location Mark <input checked="" type="checkbox"/> External Music Collection <input checked="" type="checkbox"/> API Support <input checked="" type="checkbox"/> Multi SIP Accounts <input checked="" type="checkbox"/> Hot Standby <input checked="" type="checkbox"/> SIP NAT <input checked="" type="checkbox"/> Customized Device Number <input checked="" type="checkbox"/> Customized Device Labels 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Customized Group Number <input checked="" type="checkbox"/> Support iFlytek TTS <input checked="" type="checkbox"/> Support Google TTS <input checked="" type="checkbox"/> Dial-number Tasks <input checked="" type="checkbox"/> Timetable Tasks <input checked="" type="checkbox"/> Support RTSP Cameras <input checked="" type="checkbox"/> Support Modbus Modules

Hardware Specifications

Hardware	
CPU	2.41GHz Intel Processor
RAM	4GB DDR3L
Storage	16GB EMMC+240GB SSD
Ethernet Interface	2 × 10/100/1000Mbps
USB Interface	1×USB3.0 + 1×USB2.0
Dimension	440*232*44mm, Standard 1U Rack
Weight	3.00KG
Color	Black
Rate power	100-240V~50/60Hz 1.5A

System	
Number of SIP Endpoints	100
Number of Paging Groups	Unlimited
Number of Playlists	24
Number of Music Files	Unlimited
Number of Timetable Triggered Tasks	Unlimited
Number of Number Triggered Tasks	Unlimited
Number of Operators	Unlimited
Number of SIP Concurrent Calls	100(Max)
Number of Simultaneous Conference Attendees	100(Max)
Number of Simultaneous SIP Paging Speakers	100(Max)
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 Part 15B Class A



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