ENERGASiA
SMART INFRA | SMART CITIES | TECHNOLOGIES

CONNECTED | SAFER | SMARTER CITIES

IP AUDIO CENTER

UNIFIED IP AUDIO MANAGEMENT TLATFORM

A powerful, all-in-one software platform for IP public address, SIP intercom, and IP PBX, designed for centralized management of audio endpoints across any scale. Deploy on hardware or cloud to deliver secure, reliable, and high-quality communication for smart cities, industry, transportation, healthcare, education and more.

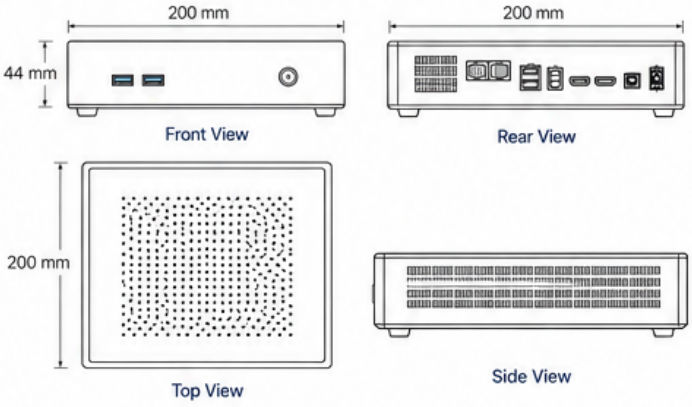


- Unified IP Audio Platform
- Centralized Management
- Public Address & Background Music
- SIP Intercom & Video Intercom
- Audio Conferencing
- IP PBX & SIP Trunking
- Recording & Emergency Broadcast

3D PRODUCT VIEW



CUT VIEWS & DIMENSIONS



KEY FEATURES

Unified Solution
Integrates network speakers, SIP intercom devices, SIP paging gateways, IP phones and third-party SIP servers.

Flexible Grouping & Zone Management
Group devices by location or usage for zone-based paging, scheduled broadcasting and emergency alerts.

High-Quality Background Music
Supports 320 Kbps MP3 and streamed media with zone-based music scheduling.

SIP Voice/Video Intercom
Voice and video intercom, with support for integrated IP cameras.

Live SIP Paging
Initiate live paging from IP phones, SIP microphones or dispatch console.

Audio Conferencing
Multi-party conferencing with participant management (mute/unmute, invite, remove).

Auto Provisioning & Centralized Management
MQTT-based device provisioning, monitoring and control for local or remote endpoints.

Recording System
Automatic recording of paging, intercom and phone calls with online playback and download.

Auto Receptionist (IVR)
Multi-level, customizable IVR for efficient inbound call handling.

SIP/IMS Trunking & Call Control
Supports SIP and IMS trunks for integration with ITSP or third-party SIP servers, with inbound/outbound call control.

TECHNICAL SPECIFICATIONS

Deployment	On-premises hardware or cloud-based server
Supported Protocols	SIP, IMS, MQTT, RTSP
Audio Codec	G.722 (HD wideband), G.711, OPUS, MP3
Max Endpoints	Up to 10,000 (scalable)
Concurrent Calls	Up to 1,000 (model dependent)
Recording	Automatic recording, online playback, download
Music Format	MP3 (320 Kbps), streamed media
Trunk Support	SIP / IMS (ITSP or third-party)
Video Support	SIP video intercom, RTSP IP camera integration
Management	Web-based dispatch console, multi-user login
APIs	RESTful API for third-party integration
Operating System	Linux (hardened), optimized for 24/7 operation

CERTIFICATIONS

- CE Compliant
- FCC Compliant
- RoHS Compliant
- UKCA Compliant
- WEEE Compliant