



GEN-2001

Network Paging Gateway

GEN-2001 is a POE-powered Network Paging Gateway that converts ONVIF and SIP system audio, as well as built-in audio files, Bluetooth, and line input audio, into multicast streams. It also offers expansion interfaces, control I/O, a built-in timer, remote API event triggers, and supports multiple simultaneous HTTP commands.

SIP

Onvif

POE

Multicast



MAIN FEATURES

▲ Network Audio Broadcast Function

Supports audio broadcast over an IP network, efficiently transmitting audio signals to multiple devices. This feature allows audio signals to be played synchronously across different areas and locations, making it particularly suitable for large-scale sound systems and public address applications. Users can remotely manage audio streams via the network to ensure clear and real-time transmission of broadcast content.

▲ Multiple Input Source Support

Provides a variety of audio input options to meet different application scenarios. It supports playback of audio files stored locally (MP3 or WAV formats) and audio input from microphones or other external devices. Additionally, it allows Bluetooth devices or other audio input sources to be connected, offering greater flexibility and adaptability for various usage environments.

▲ Remote Control and Management

This device features powerful remote control capabilities, supporting real-time management and configuration over the network. Users can control the device remotely via an API interface, selecting audio sources, setting scheduled playback tasks, and more. Additionally, broadcast events can be triggered remotely via the network, and system monitoring can be performed to ensure efficient operation and timely responses, greatly enhancing the convenience and operability of management.

SPECIFICATION

Audio Interfaces

Audio Output	×1 (RCA Connector),0dB
Audio Input	×1, Line/Mic input (Balanced,Switchable)
Input Sensitivity	-10dB(Line) , -20dB(Mic)
Bluetooth Input	×1,2.4GHz

Other Interfaces

Network I/F	RJ45 Connector, support PoE IEEE 802.3af/at
Control Input	×4
Control Output	×1,Relay output/DC12V output switchable
Functional Key	×2,Pattern/One-click call(Self-defined)
Monitor Speaker	×1,Built-in,3W
Reset Button	×1
Bluetooth Status LED	×1,Blue
Task Status LED	×1,Green

Audio

Audio Transmission	Multicast , ×20(Editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Audio Stream	WAV(8/16/22/44.1/48 kHz sampling rate, 8/16 bits, mono/stereo), MP3(32/44.1/48 kHz sampling rate, 64-320kbps, CBR/VBR, mono/stereo).
Audio Storage	Max 20 audio files,80MB
Audio File Format	WAV,MP3
SNR	≥85dB
Command Set	×10 Sets,20 commands/set

SPECIFICATION

Microphone

Microphone	Electret condenser microphone
Directionality	Omni-directional
Installation method	Built-in
Sensitivity	-45±3dB
SNR	58dB
Max Input Sound Level	110dB(THD<1%)

Network

Network I/F	100BASE-TX ,RJ45 Connector
Network Protocol	TCP/IP,UDP,HTTP,RTP,RTSP,ARP,ICMP,NTP,SIP,ONVIF,DHCP
Config Method	Web Interface or DevConfig Tool

Mechanical & Environment Properties

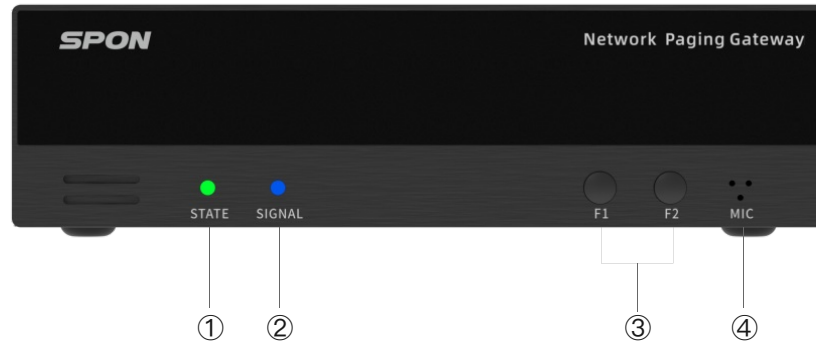
Housing Material	Sheet Metal
Color	Black
Working Temp	-10°C~+50°C
Humidity	≤90% RH non-condensing
Mounting Method	Desktop,Wall Mount ,Rack Mount
Installation Environment	Indoor Locations
Dimensions	115*139*40mm
Weight	500g
Warranty	2 Years

ACCESSORIES

2×8pin Terminal(3.81-8P)
2×Wall Mount Bracket
1 × Installation Manual

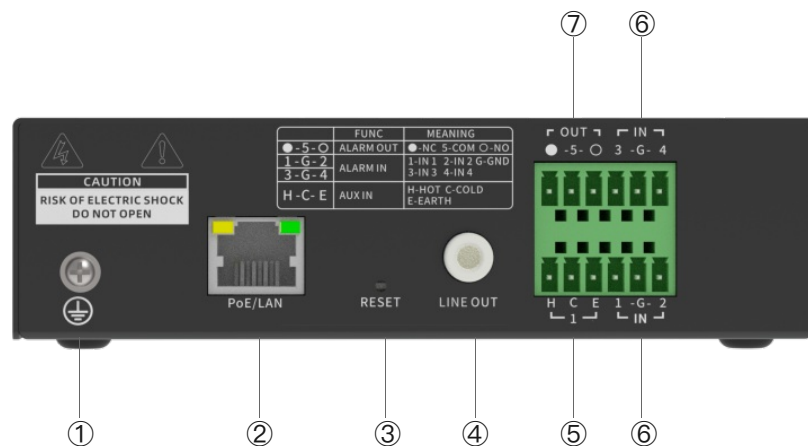
INTERFACE DESCRIPTION

[Front Panel]



- ① State Indicator Light: Constant on when power on , flash when receive task.
- ② Signal Indicator Light: Default is off, constant on when bluetooth connection ,flash when receive bluetooth audio.
- ③ F1/F2 Button: Can be defined as one-touch multicast, one-touch call.
- ④ Built-in Mic: Two-way communication.

[Rear Panel]



- ① Ground Terminal
- ② RJ45 Connector
- ③ Reset Button
- ④ Line Output Connector
- ⑤ Line/Mic Input Terminal
- ⑥ Alarm Input Terminal
- ⑦ Alarm Output Terminal

INSTALLATION

