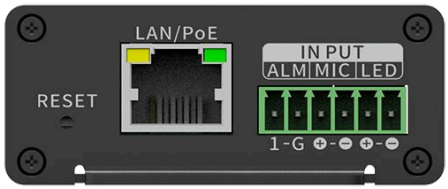
GEN-3101A01 Network Audio Bridge





SIP POE Multicast

INTRODUCTION

GEN-3101A01 is a PoE-powered network audio interface that supports SIP/VMS calling, up to 20 multicast streams, local audio storage, priority control, scheduled playback, HTTP API triggering, and built-in amplifier output.

MAIN FEATURES

- **Multi-Protocol Audio:** Supports SIP audio, ONVIF audio, and multicast stream reception.
- **Local Audio Storage:** Built-in 80 MB local storage for up to 20 WAV/MP3 audio files.
- **Audio Interfaces:** Equipped with one MIC input for intercom, one audio output, and one speaker interface.
- **Control & Indicator Interface:** Provides one control input and one LED indicator interface.
- **HTTP API Trigger:** Enables local file playback through HTTP API triggers.
- **Built-in 15 W Amplifier:** Integrated 15 W amplifier for external constant-impedance analog speakers.
- **Scheduled Playback:** Supports timed playback of locally stored audio files.
- **PoE / PoE+ Support:** Supports PoE and PoE+ for convenient installation and power supply.

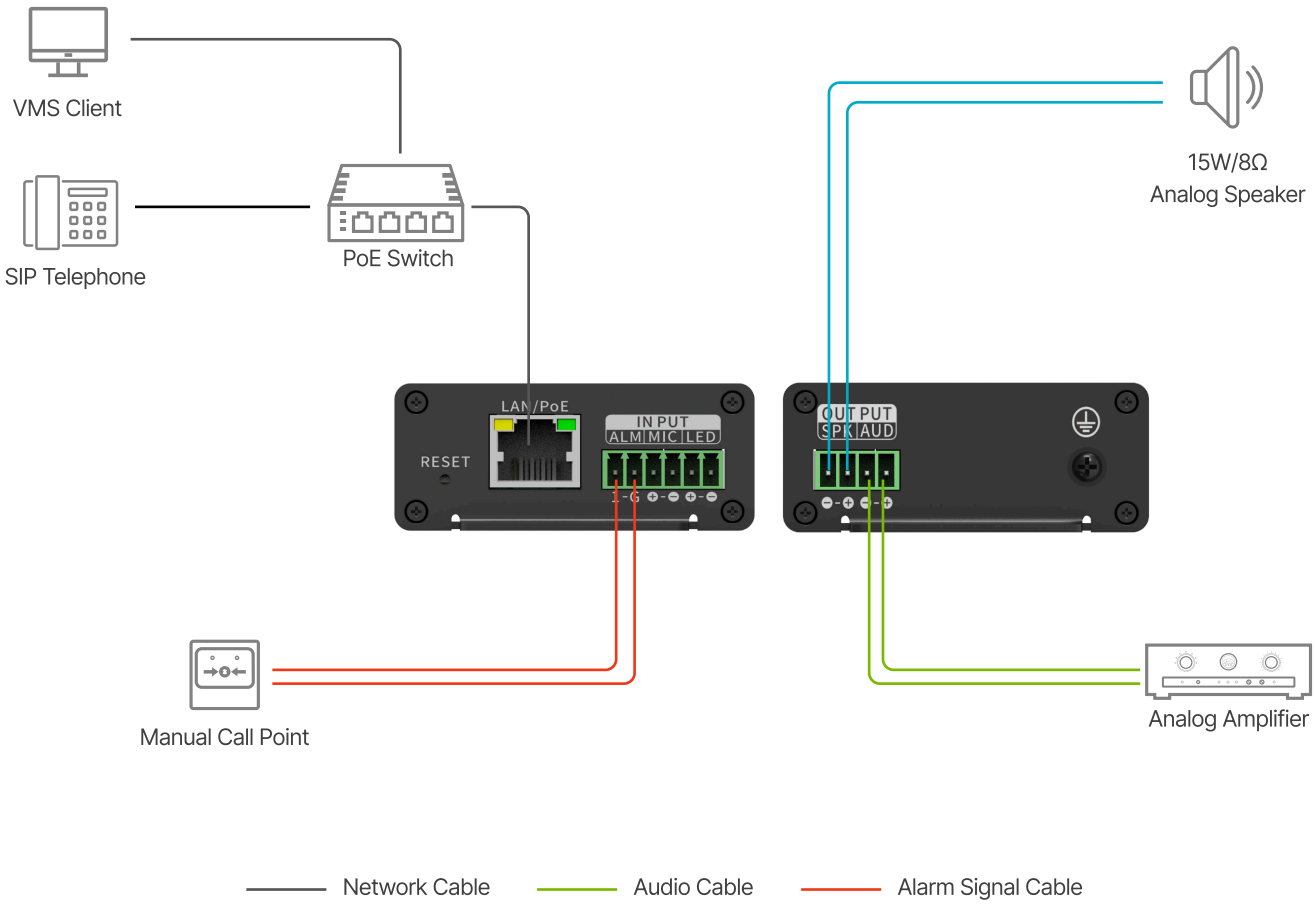
PARAMETERS:

Network Interface	10/100Base-TX, RJ45
PoE	IEEE 802.3af/at
Network Protocols	TCP/IP, UDP, HTTP, RTP, RTSP, ARP, ICMP, NTP, SIP, ONVIF, DHCP
Configuration	Web interface or DevConfig Tool
Audio Transmission	Multicast, up to 20 streams (editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Audio File Format	WAV, MP3
Audio Storage	80 MB local storage, up to 20 audio files
Audio Stream	WAV 8/16/22/44.1/48 kHz, 8/16-bit, mono/stereo; MP3 32/44.1/48 kHz, 64–320 kbps, CBR/VBR, mono/stereo
SNR	⩾90 dB
Frequency Response	100 Hz to 20 kHz
Amplifier Output	15 W / 8 Ω
Audio Output	1 × 0 dB
MIC Input	1 × -20 dB
Control Input	1
Status LED Interface	1 × 3.3 V
Reset Button	1
Housing Material	Aluminum alloy
Color	Black
Mounting	Wall mounting
Application Environment	Indoor
Operating Temperature	-10°C to +50°C
Operating Humidity	⩽90% RH, non-condensing
Dimensions	126 × 66 × 27 mm
Package Dimensions	135 × 125 × 50 mm
Weight	0.16 kg
Warranty	2 Years

ACCESSORIES:

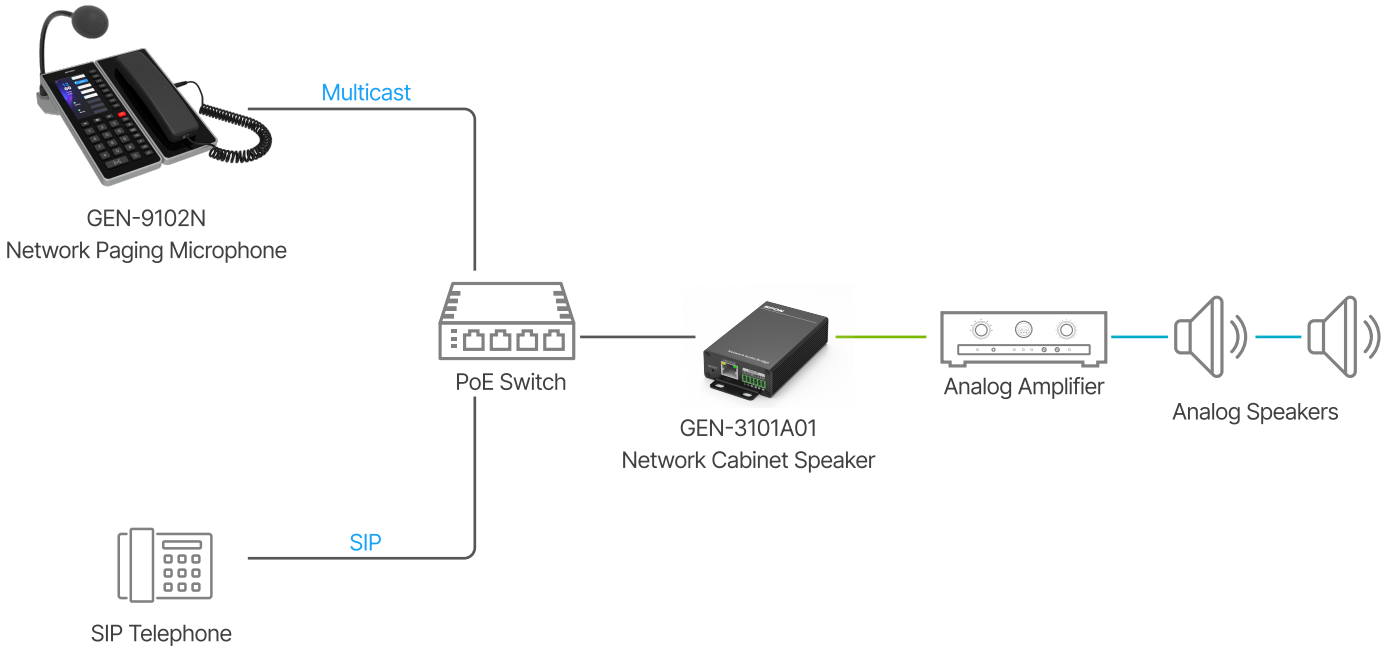
ACCESSORIES	1 × 3.5 mm 6-pin terminal 1 × 3.5 mm 4-pin terminal

CONNECTION DIAGRAM

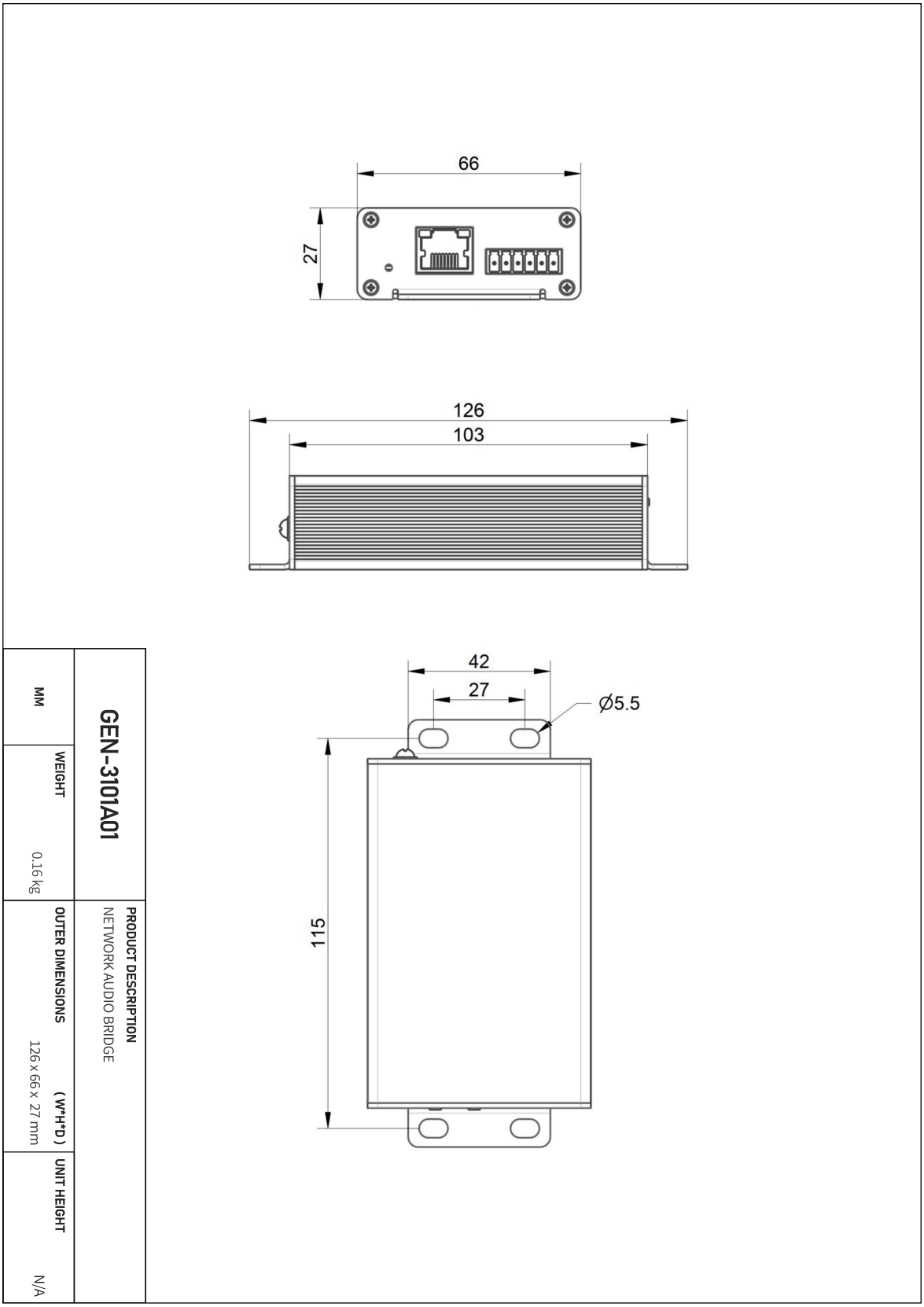


APPLICATION

The GEN-3101A01 Network Audio Bridge supports direct calls from SIP or VMS platforms and can be used with SPON software to enable broadcasting functions. It features one built-in audio output channel that converts network signals into analog output, making it especially suitable for upgrading traditional analog broadcasting systems by integrating them into IP network broadcasting platforms.



DIMENSION


66
27
126
103
42
27
Ø5.5
115
GEN-3101A01
PRODUCT DESCRIPTION
NETWORK AUDIO BRIDGE
WEIGHT
0.16 kg
OUTER DIMENSIONS (W*H*D)
126 x 66 x 27 mm
UNIT HEIGHT
N/A
MM