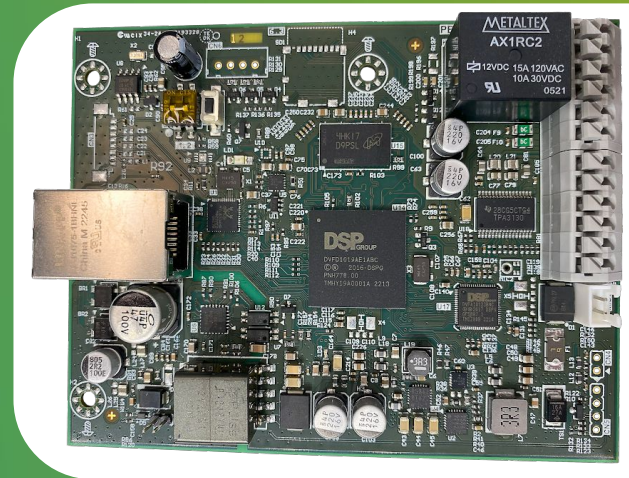


High-Power IP Automation and Intercom Kit



Main features

- High-power SIP intercom 15w
- Configurable input and output pins for executing actions such as audio playback, triggering strobe lights, among others
- Separate volume control for microphone and speaker
- Perfect integration with Asterisk and FreeSwitch
- Allows up to 2 RTP multicast groups
- The GPIO input can be used with sensors and configured to perform actions such as: VoIP SIP call, relay activation, playback of pre-recorded audio, or sending events via MQTT.

Applications

- Public announcement systems in environments
- Communicator for barriers, totems, elevators, tunnels, etc.
- Communication systems in public transport
- Notification systems in industrial areas
- Alert and alarm systems

Overview

The High Power IP Automation and Intercom Kit provides low cost technology for your communication or automation solution. The kit is composed of the board, which contains a relay and two sensor inputs, a microphone and a 15 Watt speaker. It is an ideal equipment for integration with electronic intercom systems, SIP intercoms and pre-existing totems.

The kit board has a user-friendly web interface, allowing you to register on SIP platforms or point-to-point connections. Uses the VoIP telephony network for connection and communication, allowing remote opening of doors and gates. The system makes user access to environments more dynamic and comfortable.

Versatile solution for high-power communication and automation, ready to use in totems, elevators, tunnels, factories and residential or commercial facilities.

Technical specifications

Composition of the Kit

- A Kit model board for Automation and High Power IP Intercom
- A speaker 15W
- Nominal impedance: 8 Ohms
- A microphone

Supported codecs

- Audio: G711A, G711U, G729A

Optional items*

- Power supply
- Anti-vandal button

* Optional items incur additional costs.

Physical/Environmental

- Power supply 12 VDC, 1.5 A
- Maximum audio output power: 15 W
- Power over Ethernet (PoE+ 802.3at or POE 802.3af)
- One 10/100 Mbps RJ45 Ethernet port
- A 120 VAC, 15 A drive relay
- 2 inputs for sensors
- Plate dimensions: 86x15x110 mm
- Approximate weight (plate): 80 g (without packaging)

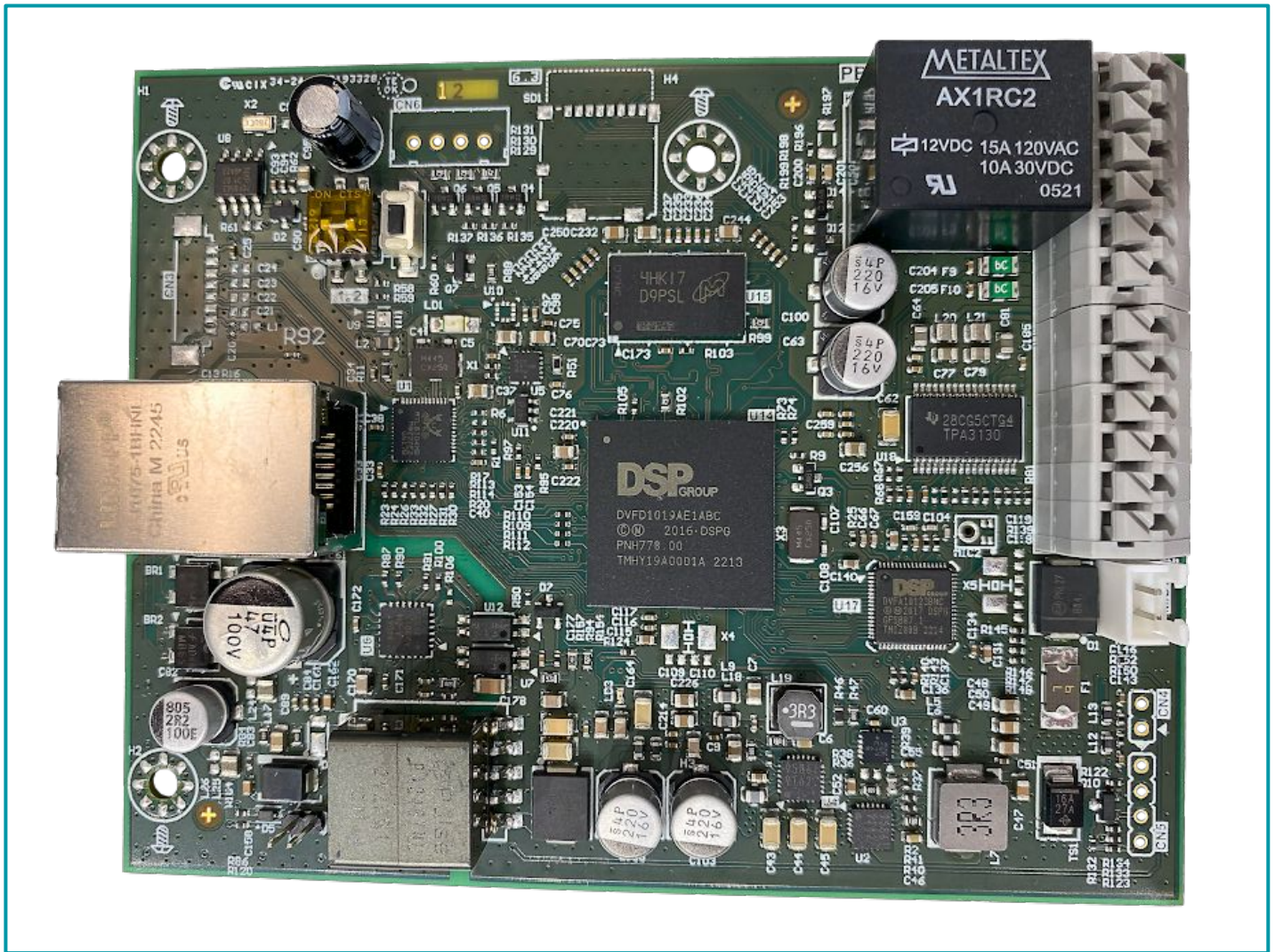
Features

- Supported VoIP protocols: SIP and RTP
- Remote port opening via DTMF or SIP Notify commands
- Detection and generation of DTMF: RFC 2833 and SIP INFO)
- Restful HTTP and MQTT API for integration
- Separate volume control for microphone and speaker
- Communication through groups Multicast RTP
- Pre-recorded audio playback via sensor input, DTMF, HTTP API and web interface.
- Web interface for board management
- Restore settings through the web interface

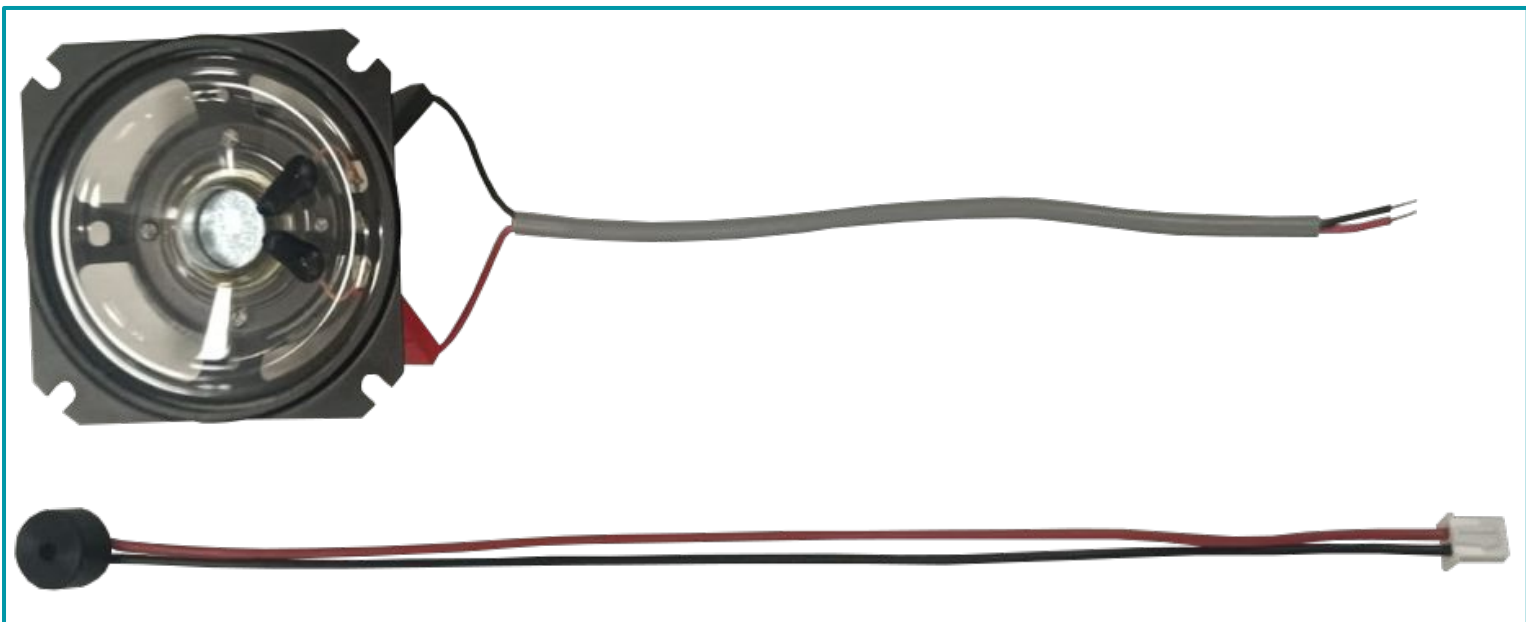
Warranties and certifications

- Full warranty (legal + Khomp warranty): 1 year
 - Legal warranty: 90 days
 - Warranty Khomp: 9 months
- Industry certified ISO 9001

Product Images

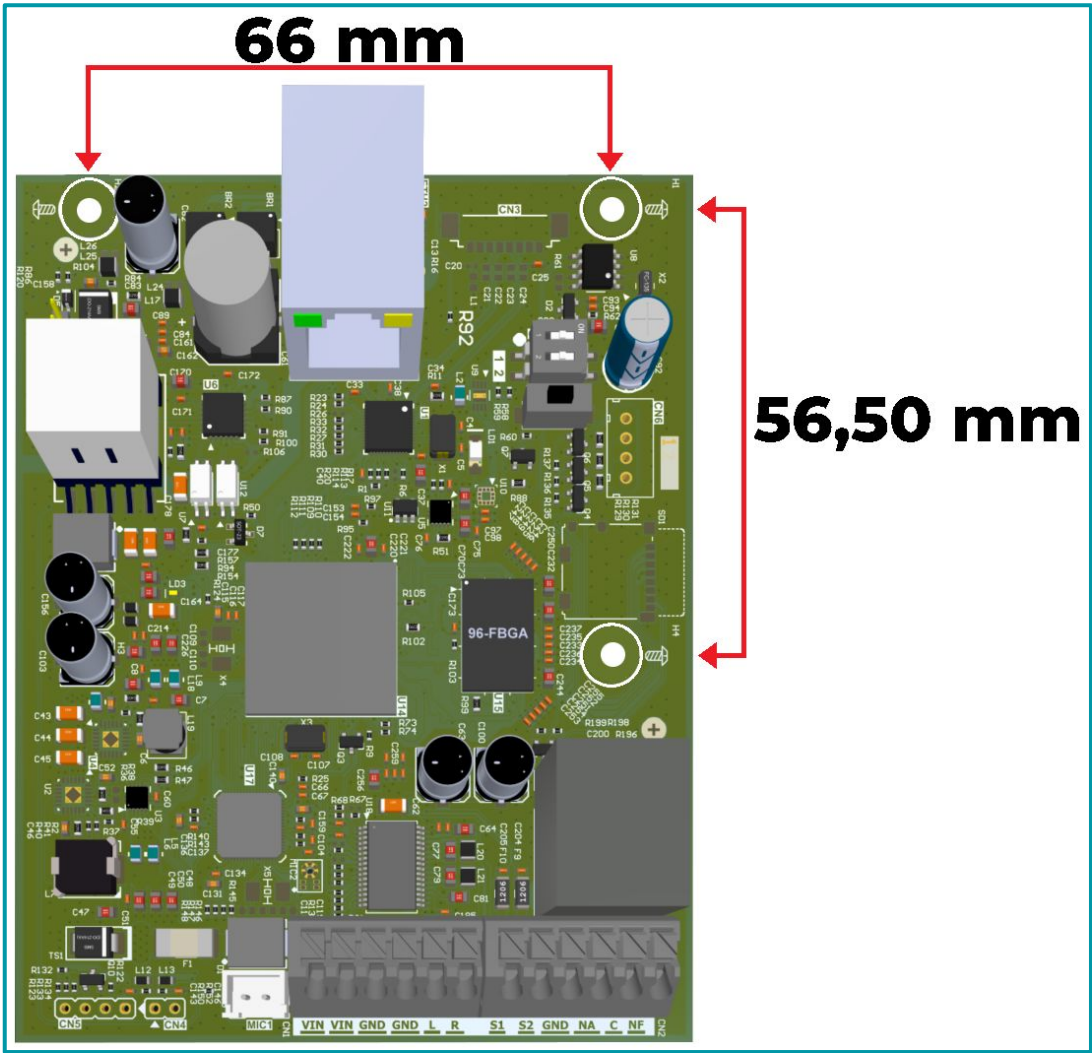


Caption: Top view of the plate model Kit for Automation and High Power IP Intercom.

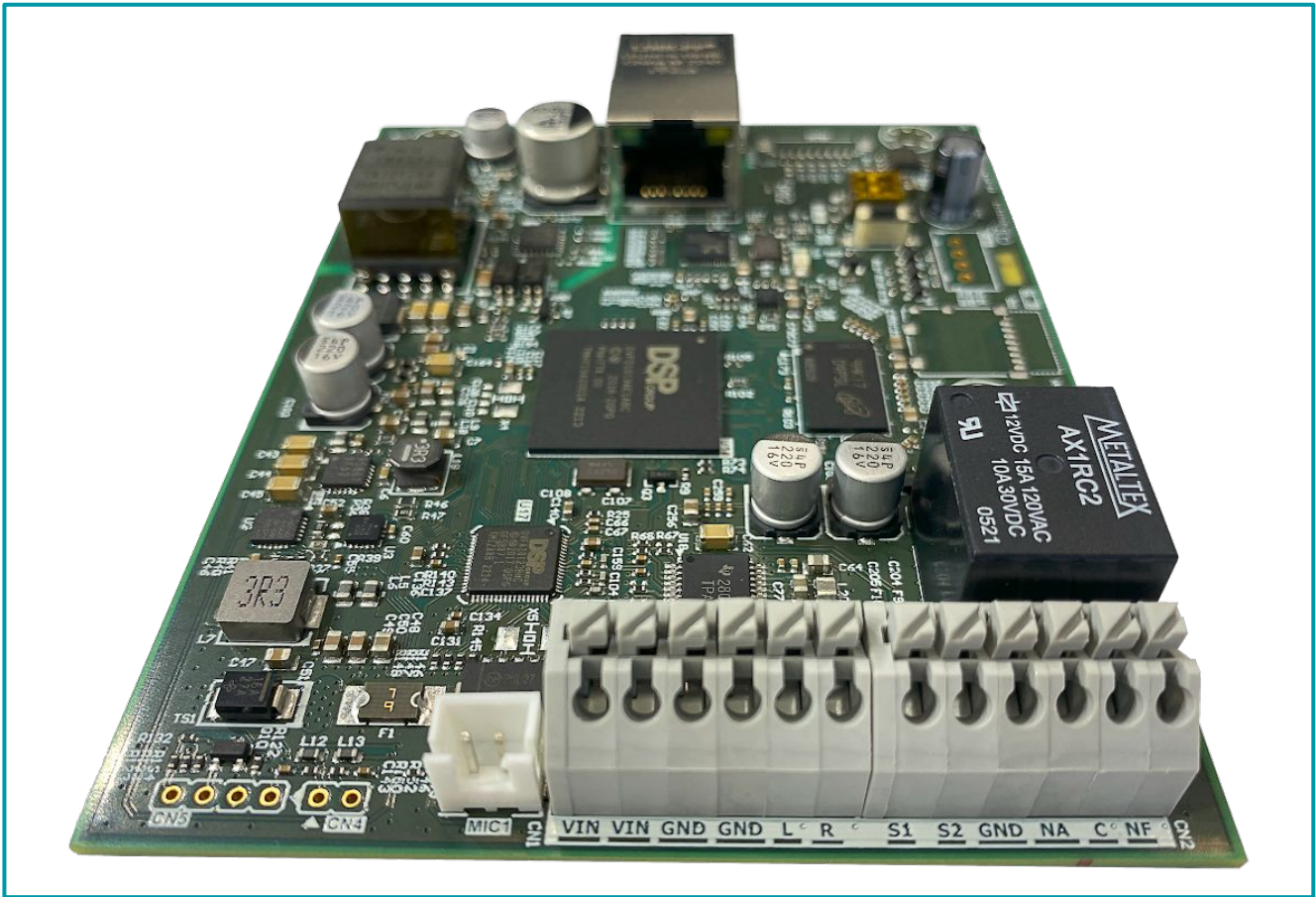


Caption: High-power IP Intercom and Automation Kit speaker and microphone.

Product Images

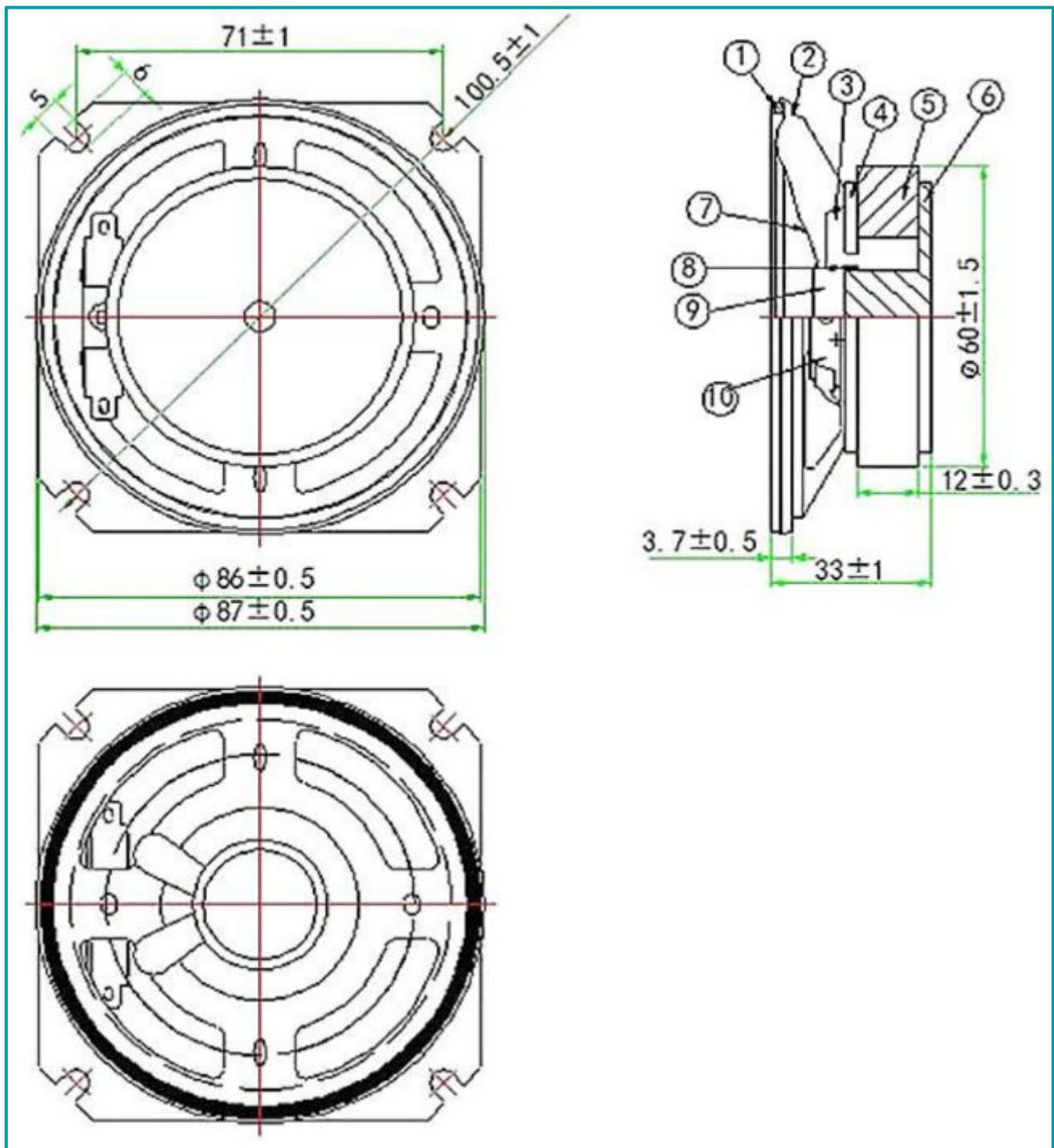


Caption: Top-down 3D view of the board with dimensions of the screw mounting holes.



Caption: Details of the connections on CN1 (VIN, VIN, GND, GND, L, and R) and CN2 (S1, S2, GND, NA, C, and NF).

Speaker dimensions



Caption: View the dimensions of the speaker in the Kit for Automation and High Power IP Intercom.