



# IP Paging System

## IPefono Speaker

The IPefono Speaker is an IP Paging device with many useful functions. It can be used at the workplace, in schools, offices, factories, warehouses and other public spaces. It allows you to quickly and effectively alert an entire team or, just a small group, sending announcements to all the devices in the system, to select individual zones or call a specific device.

The IPefono Speaker easily connects into IP network infrastructures (local, corporate, Internet, ...), quicker and more flexible installations than analog systems. Can be discreetly mounted almost anywhere.

You can use it with a loudspeaker as a simple PA system or with a microphone in order to listen the audio environment. Also your pre-recorded messages will play automatically when an input is operated.

Like all the devices in the IPefono family, it can be integrated in standard VoIP telephony platforms, Call Managers and VoIP PBX, provided that these support SIP (Session Initiation Protocol) or even to manage it just using a standard VoIP phone.

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## Technical Features

- **Power Over Ethernet** (PoE IEEE 802.3af) or power supply: 5V. Nominal consumption: 1W, maximum consumption with audio: 4.5W.
- Industrial Temperature Range **from -40°C to 85°C**.
- Size: Ø 132 mm, 80 mm (h).
- 100BT Ethernet ports.
- Class D audio amplifier. Power: 3.2 W, **Energy efficiency: 96%**.
- **Solid state relay output**. Maximum current: 100mA, maximum voltage: 60V, output impedance: 16Ω.
- Independent audio level adjustment for tones, file playback, audio and background music.
- Use of network bandwidth from 16 Kbps to 64 Kbps (headers not included).
- G711 (3.4 KHz), **G722 (7.1KHz)** and **G726 (3.4KHz)** audio codecs.
- Sampling precision: **12 bits**.
- IP Protocols: ARP, IPv4, ICMP, IGMP, TCP, UDP, DHCP, DNS, SIP, HTTP, Telnet, RTP, RTCP, SNTP, Modbus TCP, Modbus UDP and Discovery Protocol ( © by ConectaIP ).
- 4 Ω speaker, 30 W, 80–16.000 Hz.
- Optional cable to connect to an **audio input line 600 Ω**.

## Functional Features

- Connection to **standard SIP** systems ( PBXs, VoIP gateways, VoIP phones, ... ) and Voice over IP internet services.
- Point to point conversation.
- Locutions by zones.
- **Broadcast mode** to speak to all devices simultaneously .
- **WAV file playback** by activating digital inputs or HTTP commands.
- **Background music**.
- Software upgrade, configuration and remote administration with its internal Web server.
- Traces and diagnostics using Telnet .
- The "auto configuration mode" allows you to install speakers without requiring a computer.
- Free software tool available to enable **large scale verification , update and configuration**.
- Another free installation **tool to identify devices** within the local network without requiring IP connectivity, and setting up the main parameters of the device.
- HTTP commands to playback WAV files, play tones, audio test and output activation.

