



Intercom for VoIP networks

IPefono Wall Mount with Keypad

IPefono is a device designed to provide voice communications through IP network infrastructures. It has several operating modes depending on the customer needs, such as "conversation", "push to talk", "listening", "paging" and "broadcast".

The IPefono Wall Mount can be embedded or surface mounted. The vandal resistant housing is made from durable aluminum and it can be used indoor or outdoor. It has excellent energy efficiency and the minimum audio delay that VoIP equipment can offer.

The keypad allows you to call other IP extensions, activate outputs, play messages or activate emergency mode.

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. It offers advanced features like forwarding calls to a cell phone, the use of Internet accounts, recording communications, multi conferencing, ...

It has outputs for controlling doors, lights, ...It is also possible to connect a camera module to provide video-intercom services.

It can be used in many different environments, such as access control, emergency systems, residential areas, etc...

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Technical Features

- Energy efficiency.
- Class D audio amplifier. Power: 3.2 W and **96% efficiency**.
- 4 ohms or 8 ohms speaker.
- High sensitivity electret microphone.
- 100 BT Ethernet.
- **PoE** or power supply from 5V to 24V.
- Remote adjustment of audio levels.
- Short audio delay.
- **Minimum bandwidth** of 16 Kbps.
- Custom **WAV files** stored in its internal storage unit which are played.
- Automatic verification of the audio circuit.
- Audio CODECs G711, G721 and G726.
- Web server to configure and update firmware as well as upload WAV files.
- Telnet server for administration, diagnosis and configuration.
- DNS Client.
- NTP clock synchronization.
- IP protocols: IP v4, TCP, UDP, SIP, HTTP, Telnet, RTP, RTCP, SNTP, ModBUS TCP, ModBUS UDP, DHCP.
- **Connection to the telephone network** via an ATA adapter.
- **Direct connection to VoIP accounts** for long distance communication and access to other telephone networks (GSM, PSTN, ...).

Mechanical Features

- Reduced surface-mount box depth: L 172 mm, W 103 mm, D 32 mm.
- Flush mount wall box: L 160 mm, W 90 mm, D 25 mm. Front panel size: L 180 mm, W 110 mm, D 2 mm.
- **Vandal resistant aluminum** format.
- Vandal resistant keyboard with four direct call keys.
- **IP-65** protection index.
- Integrated **Video Camera** (optional).
- Two supervised digital inputs or two relay outputs.
- Industrial temperature range **-40 ° C to 85 ° C**.
- Relative humidity 10% - 95% (not condensing).

Integration Tools

- A free application for Windows Helpdesk that allows you to communicate with the device.
- Voice and video transmission is provided by standard protocols (**SIP** Session Initiation Protocol), which guarantee the **best compatibility and integration** with third-party IP systems, such as PBX or Call Manager or even to manage it just using a standard VoIP phone.
- VoIP ActiveX Control and Modbus OCX to integrate the IPefono in any third party applications.
- A free installation tool to identify devices within the local network without requiring IP connectivity, and setting up the main parameters of the device.