

# Offices and residential buildings

## Application Notes

IPefono is a very interesting option as intercom point in residential areas. It is based on standard Voice over IP technology, so it can be easily integrated into home automated systems.

It has an expansion bus which can be connected to keypads in order to solve the intercom entry points. As such, it can be used in the main door to communicate with each house or office.

In addition, ConectaIP offers a free management application for its intercom systems, which can be used to provide a complete solution in such environments.



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# Emergency Call Boxes

## Application Notes

Emergency call boxes are used to place communication points in unattended areas. A typical implementation point is on roads or highways.

For this specific environment, the best solution is the IPefono with a Fiber Optics transceivers, so that there can be some distance between points without using signal amplifiers.

These devices can be handled from call management systems, which now offer support for standard Voice over IP protocols, including SIP (Session Initiation Protocol).

The IPefonos consume very little power and they offer an energy efficiency of 96% in audio amplifiers, therefore it can be powered by batteries and solar panels.

It also has a system of autonomous user messages, which can be used to alert the user in cases of damage and connection loss.

Finally, the IPefono is able to use a double audio amplifier to ensure that the system will continue working if one of them fails.



# Hospitals and Hotels

## Application Notes

In public buildings we often need systems that provide direct and instant communication with an operator.

For example, in Hospitals patients may require urgent assistance so that, by pressing a button, the nurse can directly contact them.

In addition, IPefonos can instantly play pre-recorded messages to alert users, at the request of the Control System, of certain events such as "restaurant open," "take the medication," etc.

ConectaIP offers free ActiveX controls, so that their integration in the control applications is quick and easy. As such, Hotels and Hospitals do not need to manage their intercom system from a dedicated application. Instead they can have it integrated into its management system, offering exciting new features.

Finally, it can also be integrated into existing PBX, eliminating the need for a computer operator position.



# Access control

## Application Notes

Sometimes we need to control the access to secured areas, so we place a door or barrier. Then, when a user wants to enter the area they will need to use a key or an access card or call the Control Centre to request authorisation to enter.

In this schema we are going to need an audio channel, a call push button and an output to open the door or barrier and allow the user to enter the area.

IPefono provides the complete solution for this environment, because it integrates all the required features. It also reduces the installation costs because it provides a well known solution.

It is easy to integrate the Access Control application because we provide a free VoIP ActiveX control or it can be managed directly using the Session Initiation Protocol.

In addition, it is possible to obtain the power supply for the electronic lock from the IPefono.



# Ceiling speakers

## Application Notes

The ceiling speakers are used to build public address systems in enclosed areas. The IPefono offers a very interesting solution for these systems because it uses standard structured cable. This reduces the installation and maintenance costs.

In addition, it is also possible to use Power over Ethernet, making our system more safe and robust than other solutions that use continuous power supply.

You can use the integrated inputs and outputs to control lights, doors and sensors without requiring more devices.

IPefono uses a multicast addressing schema and can play incoming voice messages selecting the zones where the speaker wants to deliver the message.

Finally, the IPefono public address system can be integrated in standard VoIP PBXs, offering a wide range of possibilities.



# Auxiliary attendant devices

## Application Notes

Remote machines often offer services to users. These machines operate 24 hours a day and 365 days a year and they are increasingly complex systems.

These machines sometimes fail, though, and when this happens, the service is interrupted and this situation can cause serious problems for the user and for the company that offers its services. Therefore, it should have an auxiliary system that allows the user to notify any machine failure and, also, to enable the technical service to undertake any necessary emergency actions such as resetting the remote machine or helping the user.

This auxiliary system cannot be implemented on the same machine because it would be useless when the machine is not operational. The auxiliary device should be an independent device working in parallel and it should be able to perform some actions on the service machine. These actions could include resetting it, switching it off, activating an emergency power supply, etc.

Some examples of machines that may need an emergency attendant device include Automatic Cash Machines, Digital Kiosks, Ticket Dispensers, Automatic Payment Machines, etc.

