

Applications  
**OFFICE**  
Intelligent Building Solutions



Management Server

Site Wide  
IP Telephone System



SIP Server

Office(s)



IP PoE Lock Controller TERRA-8IO

Reception



IPSM Module

Conference Room



IP PoE Speaker PCL5 with remote microphone



IP PoE Audio Gateway TERRA-IEX

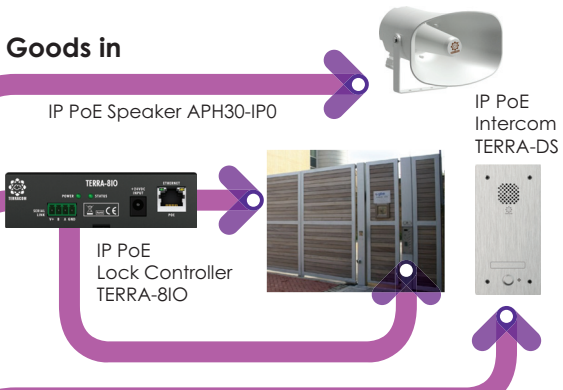


BGM Music Source



IP PoE Paging Microphone PPM-IT5

Goods in

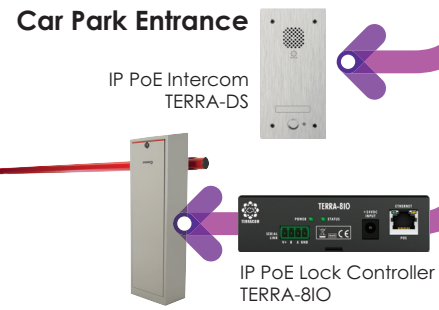


IP PoE Speaker APH30-IP0

IP PoE Lock Controller TERRA-8IO

IP PoE Intercom TERRA-DS

Car Park Entrance



IP PoE Intercom TERRA-DS

IP PoE Lock Controller TERRA-8IO

**Management Server Software**

Connects all facilities that can be integrated via the TerraManager software which allows each IP device to be monitored and controlled.

From a single point of access the user has a complete overview of what is going on across the whole system.

We can achieve this as each IP device is connected to a common network managed by a PC and the TerraManager software. This also has recording and editing Software allowing the user to make and edit their own recordings should they wish to make pre-recorded announcements such as "Visitor has arrived", "Fire Test", "The conference room is free" etc.

**Public Address**

Functionality of the public address is achieved using a number of devices.

**IP PoE Microphone Console**

Enables the operator to make paging announcements to the reception area, conference room and goods in via the exception IP PoE microphone. The console has a touch sensitive LCD display with programmable soft keys which can be configured to select paging zones, trigger events such as open doors, play pre-recorded announcements & turn lights on or off. The microphone console also has a built-in speaker to allow monitoring of broadcasts & two-way communication with the intercom unit and IP Telephones

**Audio Gateway**

Music can be played in the Reception area by taking the output from a music source and feeding it directly into the Audio Gateway. The same music source can also be routed to any other gateway or IP PoE speaker.

**IP PoE Projector Speaker**

Located at the car park entrance, the IP speaker can receive paging announcements from the IP PoE microphone, the

intercom unit or any IP telephone. The speaker has an optional built-in microphone which can be used as an ambient noise sensor or used to monitor & record activity for the purpose of surveillance. The speaker also has an auxiliary microphone input option which could be used to input a remote microphone or a wireless microphone.

**Intercom**

Located at the goods in entrance and the conference room, both areas can therefore receive paging announcements from the IP PoE microphone, the intercom unit or any IP telephone. Each speaker has an optional built-in microphone which can be used to monitor & record a meeting and saved as an audio file. The speaker also has an auxiliary microphone input which could be used to input a remote or a wireless microphone.

**Door Access**

The lock controller will manage the opening and closing of barriers & door locks via output contacts. The Management Server scheduler can be used to open and close doors at pre-set times. It can also be used to log entry and exit times.

**Integration with IP Telephone System**

TerraManager can interface with a SIP based IP telephone system. If an IP phone system is used we can make use of these features:

- Make paging announcements from any IP phone to Public Address speaker zones/areas.
- Use the reception IP PoE Microphone to page any individual or group of IP telephone handsets via their hands-free speakers. This will save having to fit dedicated speakers in many areas.
- Use function keys on either the IP PoE microphone or Telephone handsets to trigger events such as open door locks, play automated messages, and turn on/off lights or power to devices.



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