

SoundLAN



Public Address system over LAN

- Public address system over LAN (ETHERNET) suitable to be used in industrial as well as in commercial installations
- IP native equipment that manages the LAN connection directly without central units, interfaces or servers.
- Industrial hardware developed for this particular function. It do not use PC based hardware.
- You can use as main station a stand alone console or a software running on a PC that allows you to manage the system with maps.
- Test of the LAN connection that cause and alarm on the main station.
- You can have field units with built-in audio power amplifier (25W – 100V line) or field units with 0dB output suitable to drive external power amplifiers.
- Optional units that allow to play background music or pre-recorder announcements.
- You can share the LAN with other systems and equipments installed over the same LAN
- Easy to install and to maintain thanks the use of the LAN as connection media.

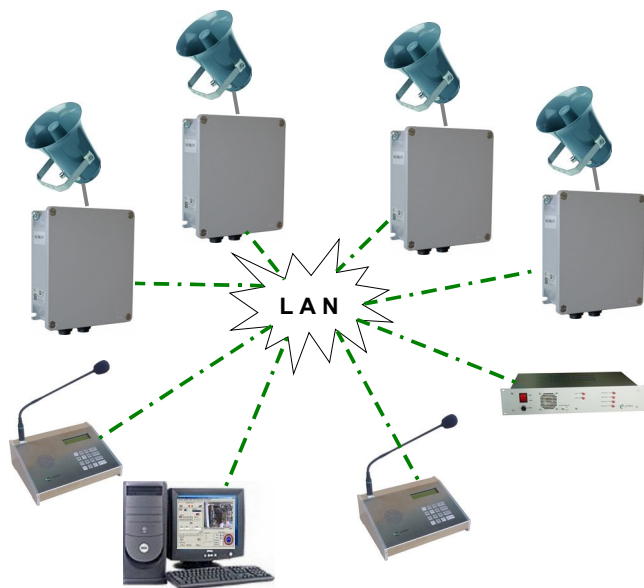
The equipment of the **SoundLAN** family allow you to make Public Address systems by using the LAN to connect the apparatuses, the system can share the LAN with other devices that use the same LAN.

The comprehensive range of equipment included in the SoundLAN family allow you to use this system in industrial plants as well as in commercial plants like ports, airports, railway stations, hotels, hospitals, sport areas and in general in places where the public is present. Thanks to the use of the LAN the designing and the installation of these systems is made easy and the maintenance is very inexpensive.

The apparatuses included in the **SoundLAN** family are:

- **SoundLAN.UP** – Audio gateway with built-in audio power amplifier that can drive loudspeakers or horns wired with a 100V line (cod. INT.UP).
- **SoundLAN.GA** - Audio gateway with 0dB output able to drive external audio power amplifiers (cod. INT.GA).
- **SoundLAN.PL** - Player that allows to transmit over the LAN pre-recorded announcement or audio signals coming from external audio sources (cod. INT.PL)
- **SoundLAN.PP** – managing console arranged in a desk enclosure with neck-goose microphone, loudspeaker control keyboard and LCD display (cod. INT.PP)
- **SoundLAN.SW** – Managing software that allows you to supervise the system and to make announcements when you use the SoundLAN in large systems. You can select each device with the aid of maps where you can place the icons of the loudspeakers. It needs WINDOWS XP (cod. SNDL.SW)

You can have the audio gateway in a wall-mounting enclosure entirely made in die casting aluminium suitable to be installed indoor or outdoor as an alternative we can supply these units in a 2U in a rack cabinet.



These equipment, arranged in different compounding, allow to obtain public address systems with high degree of complexity by using for the connection of the whole system only the LAN shared with other systems as the access control, the CCTV or the computer used in the offices.

The LAN connects the equipment included in the system and each apparatus has a static IP address that you can assign during the setting of the system and that locates it on the network. Consequently, each equipment can manage directly the communication over the LAN without the need of interfaces, central units or servers.



The main features that the **SoundLAN** system allows to make are:

- To send announcements by means of the microphone located on the main desk or by means of the player that reproduces pre-recorded messages.
- To send announcements to the single gateway, to groups of gateways or to all the gateway present in the system at the same time.
- To play background music
- To send messages automatically by closing relevant control inputs
- To send to the main desk alarms by connecting alarm buttons to the gateways.

SoundLAN.UP – Technical Specifications

Audio coding	Linear 16 KHz/16 bit, PCM according with G723
Audio output	25W over 100V line
Communication protocols	UDP – TCP/IP
Communication port	Ethernet 10/100 base T, with connector RJ45 (IEEE 802-3)
Auxiliary input	1 N.O. (reserved to external alarm button)
Auxiliary output	1 relais N.O. (max 12V-0,5A) active when the SoundLAN is working
Self-test	Monitoring of the LAN connection
Setting	By InterLAN software directly over LAN
Processor	MultiMedia DSP 32 bit / 600 Mhz
Enclosure	Die casting aluminium enclosure – IP66
Operating temperature	-10 / +50 °C
Feeding	24 V ac/dc

