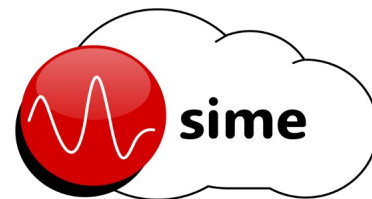


SIME MODULES

SIME Control consists of several modules or extensions that can be added to provide functionalities to the system, which are totally independent of each other.

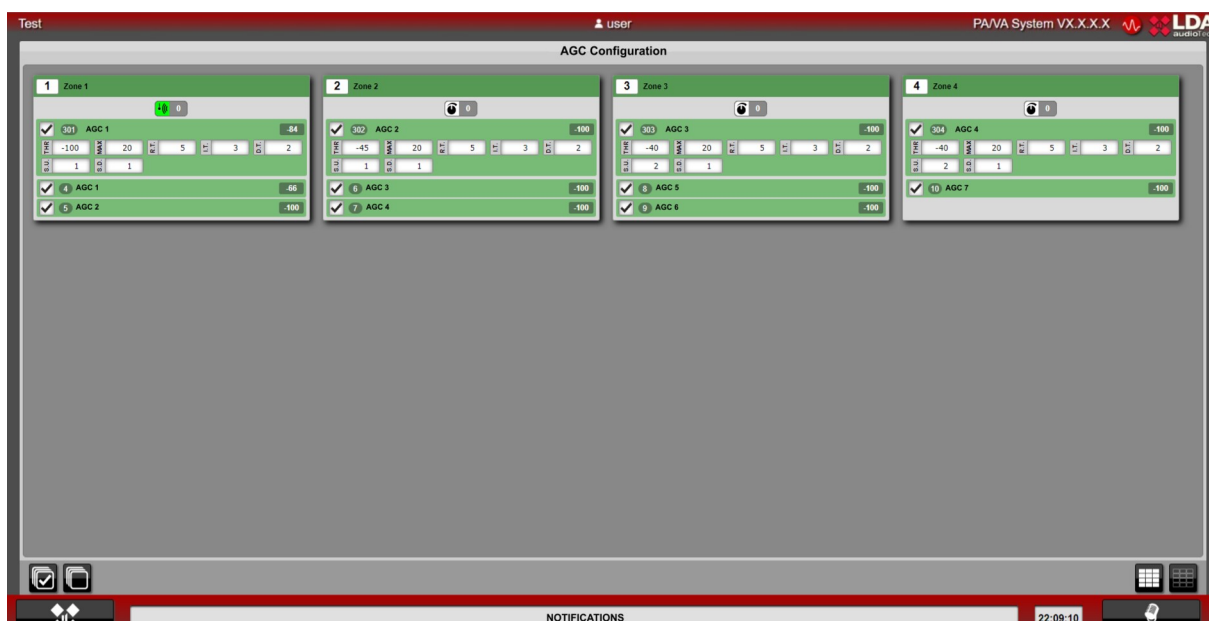


SIME products:

(a) **LDASIMCAGS02**: AUTOMATIC GAIN CONTROL (AGC). This is a module that, based on noise levels picked up by microphone probes, adjusts the gain of the zone according to the level of ambient noise picked up from that zone.

Requirements:

- At least one microphone probe per zone where the CAG module is to be applied.



(b) **LDASIMTTS1S02**: TEXT TO SPEECH (TTS). Module that enables the possibility of creating a voice-over or an audio file from a text.

Requirements:

- Text to speech service from text-to-speech service provider in the desired language in real time.

(c) **LDASIMVIPS02**: IP TELEPHONY (VoIP). Through this module, IP telephony can be integrated into SIME. It allows to assign an extension to SIME to call from any IP telephone, treating SIME as another telephone terminal.

Requirements:

- IP telephony system by means of PBX compatible with pjsip protocol.

SIME MODULES

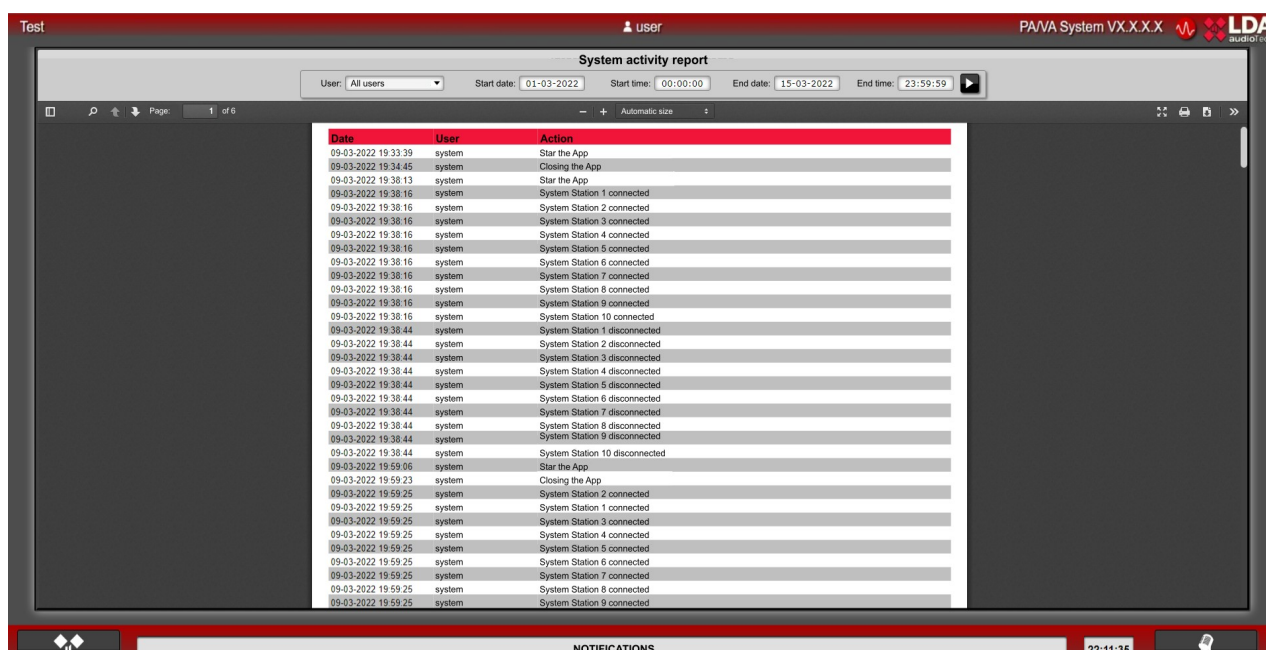
(d) **LDASIMINTERS01**: EXTERNAL SOCKET. Extension that enables the ability to control SIME externally via UDP commands.

(e) **LDASIMIPLS01**: POWER CONTROL. Module that allows to control the power supply of a system through remote control interfaces.

Requirements:

- Extron IPL power control devices.

(f) **REPORTS**. Module that allows to obtain in PDF format the activity logs of the SIME service.



Date	User	Action
09-03-2022 19:33:39	system	Star the App
09-03-2022 19:34:45	system	Closing the App
09-03-2022 19:38:13	system	Star the App
09-03-2022 19:38:16	system	System Station 1 connected
09-03-2022 19:38:16	system	System Station 2 connected
09-03-2022 19:38:16	system	System Station 3 connected
09-03-2022 19:38:16	system	System Station 4 connected
09-03-2022 19:38:16	system	System Station 5 connected
09-03-2022 19:38:16	system	System Station 6 connected
09-03-2022 19:38:16	system	System Station 7 connected
09-03-2022 19:38:16	system	System Station 8 connected
09-03-2022 19:38:16	system	System Station 9 connected
09-03-2022 19:38:16	system	System Station 10 connected
09-03-2022 19:38:44	system	System Station 1 disconnected
09-03-2022 19:38:44	system	System Station 2 disconnected
09-03-2022 19:38:44	system	System Station 3 disconnected
09-03-2022 19:38:44	system	System Station 4 disconnected
09-03-2022 19:38:44	system	System Station 5 disconnected
09-03-2022 19:38:44	system	System Station 6 disconnected
09-03-2022 19:38:44	system	System Station 7 disconnected
09-03-2022 19:38:44	system	System Station 8 disconnected
09-03-2022 19:38:44	system	System Station 9 disconnected
09-03-2022 19:38:44	system	System Station 10 disconnected
09-03-2022 19:59:06	system	Star the App
09-03-2022 19:59:23	system	Closing the App
09-03-2022 19:59:25	system	System Station 2 connected
09-03-2022 19:59:25	system	System Station 1 connected
09-03-2022 19:59:25	system	System Station 3 connected
09-03-2022 19:59:25	system	System Station 4 connected
09-03-2022 19:59:25	system	System Station 5 connected
09-03-2022 19:59:25	system	System Station 6 connected
09-03-2022 19:59:25	system	System Station 7 connected
09-03-2022 19:59:25	system	System Station 8 connected
09-03-2022 19:59:25	system	System Station 9 connected

(g) **MONITORING**. Module that enables the possibility of listening to the audio emitted by the zones and sources of the system.

Requirements:

- Dedicated line level audio output for monitoring.

(h) **LDASIMNOTIFICAS01**: NOTIFICATION BY MAIL. This module enables the sending of incidents by e-mail through a web client.

Requirements:

- Mail server.

(i) **LDASIMCBS01**: BACKUP SERVER. This is a module that, supported by another backup server, allows a hot swap of hardware in the event of a failure in the main server.

Requirements:

- Second backup server to replace the main server in case of failure.

SIME MODULES

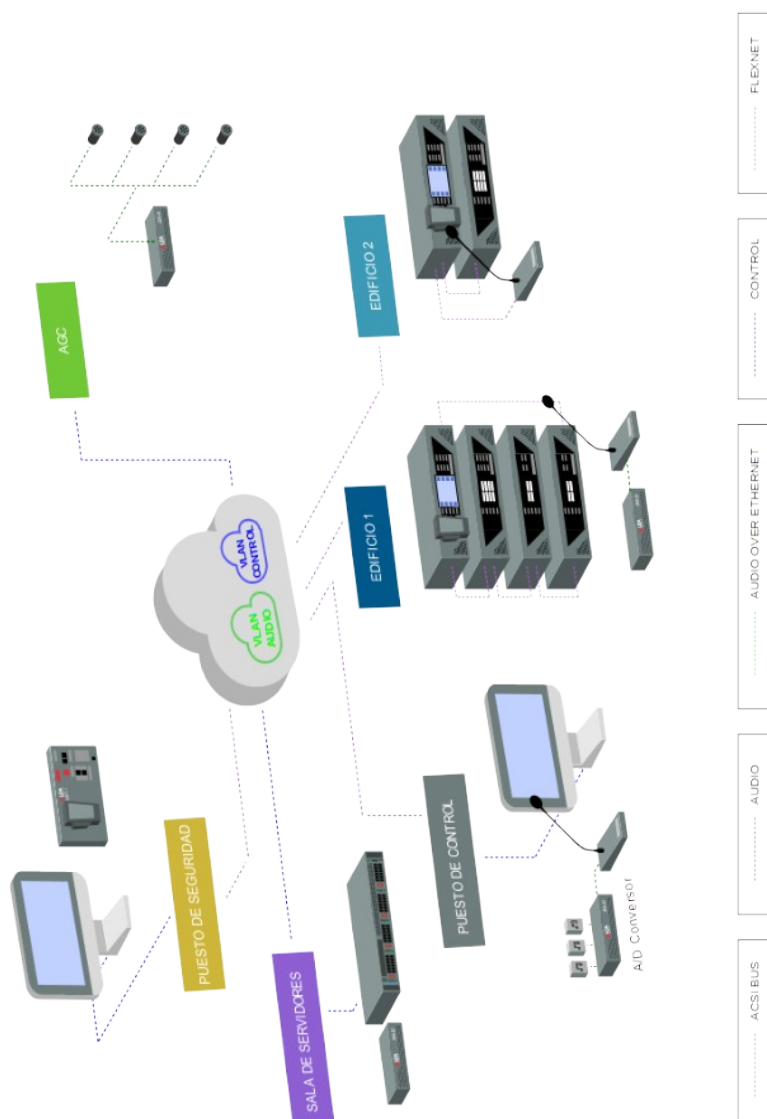
Server requirements:

Components	Requirements
CPU	Intel(R) Xeon(R) CPU E3-1220v& @3.00Ghz 3.00Ghz.
RAM memory	8GB.
Available disk space	Recommended: 60GB. NOTE: Computers with more than 16GB of RAM will require more disk space for paging, hibernation and dump files.
Multimedia	Soundcard 16bit 18Khz - 100 db SNR Stereo.
Display and peripherals	<ul style="list-style-type: none">• Super VGA (800x600) or higher resolution.• Keyboard.• Microsoft mouse or compatible pointing device.
Operating System	<ul style="list-style-type: none">• Windows Server 2016 Essentials, 64 bits.• Windows Server 2019 Essentials, 64 bits.

SIME MODULES

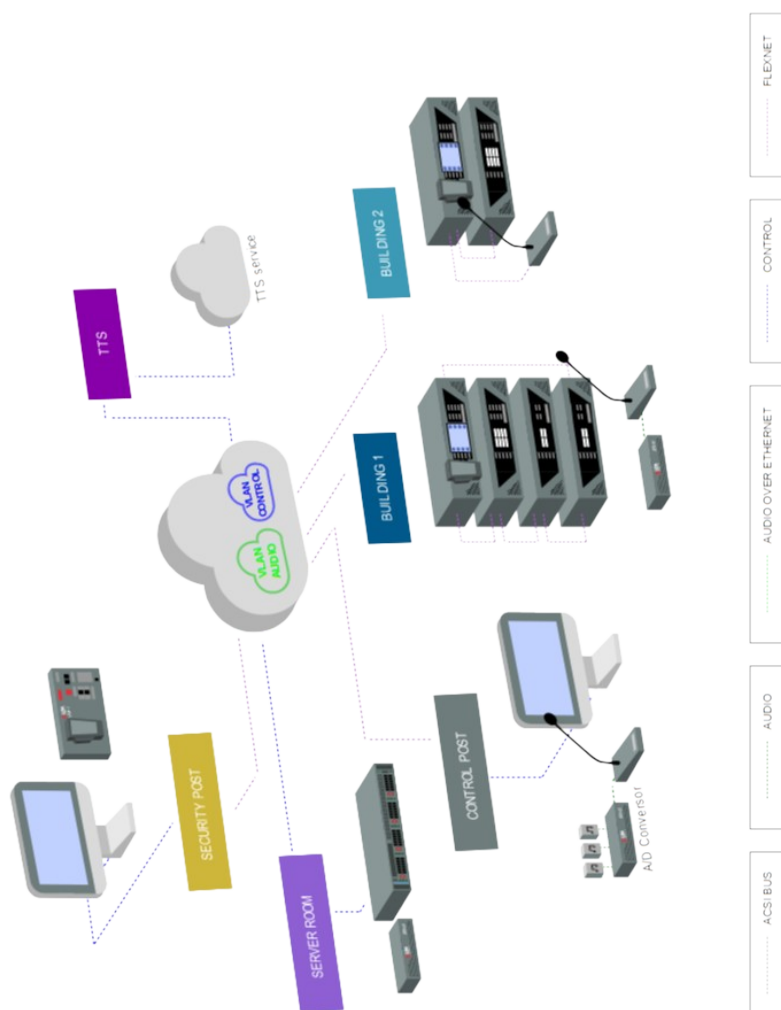
System architecture diagrams:

AGC:



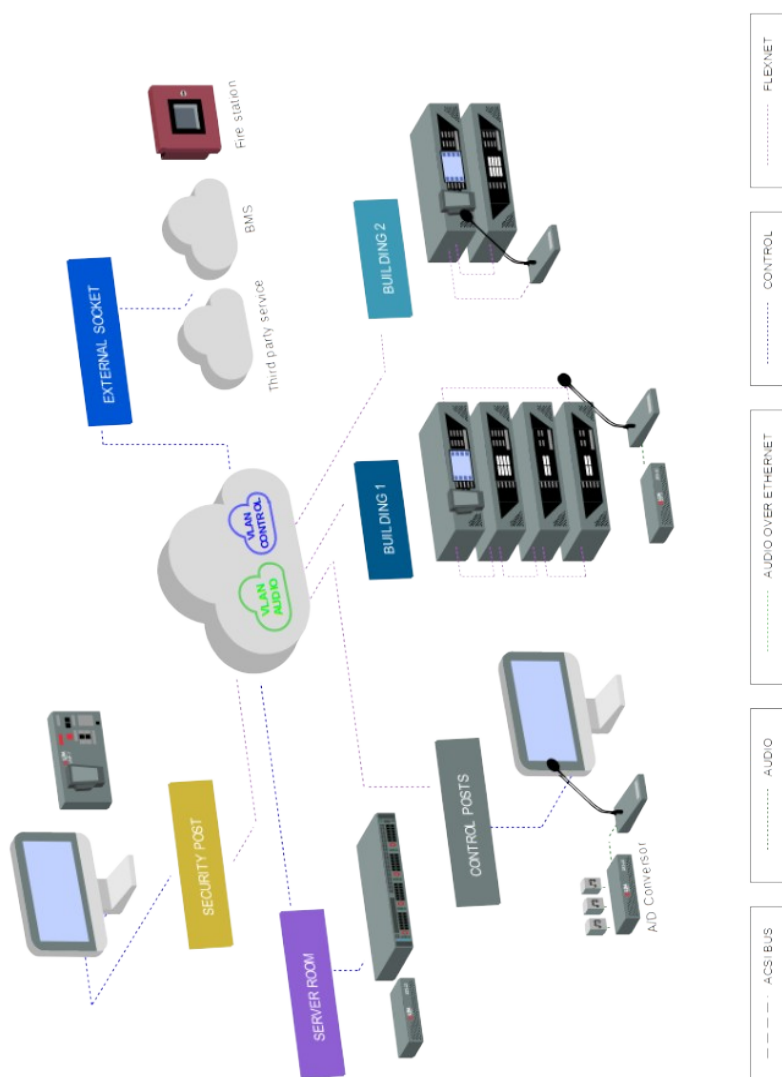
SIME MODULES

TTS:



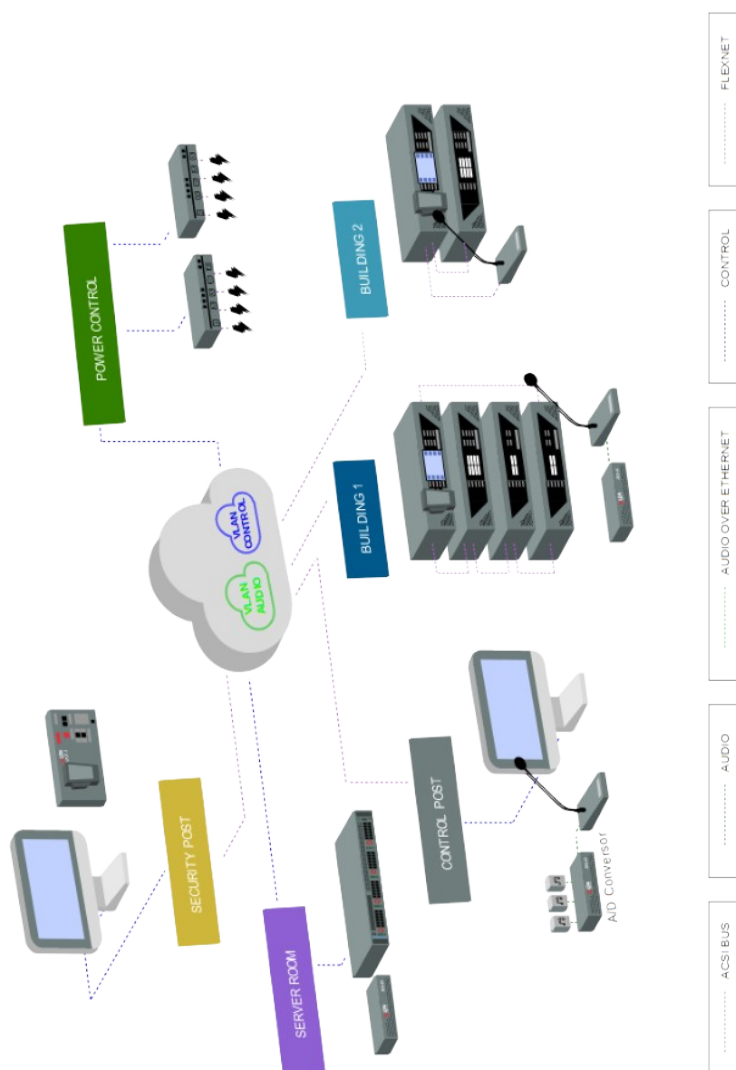
SIME MODULES

External socket:



SIME MODULES

Power control:



SIME MODULES

Backup server:

