



CATALOGUE
symphony



SYMPHONY CATALOGUE

TABLE OF CONTENTS

- 05** SYMPHONY
 - 05** Our philosophy behind the system

- 08** COMFORT LIVING
 - 08** Supervision and control
 - 09** Scheme
 - 10** Symphony supervisor
 - 12** Lighting
 - 14** HVAC system
 - 15** Automation
 - 16** Building management system
 - 20** Products

- 26** ENTERTAINMENT
 - 26** Audio / video control
 - 27** Scheme
 - 28** Audio video on demand - Media player
 - 29** Media player interface
 - 30** Audio/video designer
 - 32** Multiroom audio systems
 - 33** Digital signage
 - 34** Invisible audio system
 - 35** Products

- 40** SECURITY
 - 40** CCTV and anti-intrusion
 - 41** Scheme
 - 42** Videosurveillance
 - 45** Anti-intrusion
 - 46** Products

- 50** COMMUNICATIONS
 - 50** Our philosophy behind the system
 - 51** Scheme
 - 53** IP video entry phones
 - 54** Products

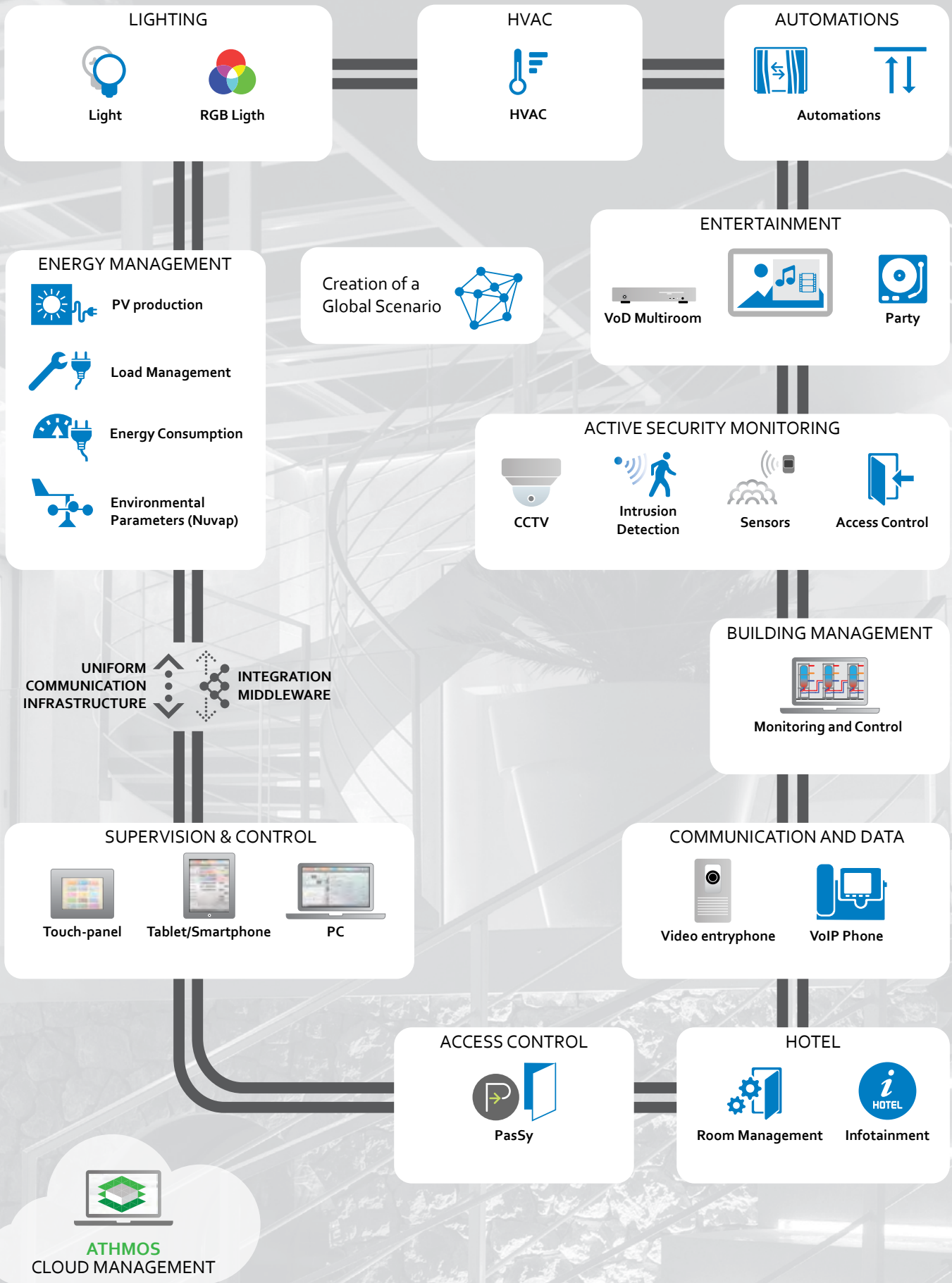
- 58** NETWORK
 - 58** When network management becomes smart
 - 59** Products

- 62** MONITORING
 - 62** Monitoring and remote control
 - 63** Monitoring of indoor environmental parameters

- 66** PASSY CONTROLLER
 - 66** Security and automation
 - 68** Tourist accommodations
 - 69** Houses
 - 69** Commercial/Offices

- 70** APPLICATION EXAMPLES
 - 71** Villa / Residential
 - 72** Assisted living
 - 73** Conference room / Congress centre
 - 74** Museums
 - 75** Retail
 - 76** Hotel / hospitality
 - 78** Monitoring systems

SYMPHONY GENERAL SCHEME



SYMPHONY

Our philosophy behind the system

Symphony was created to respond to a need for efficiency, simplicity and flexibility. The proposed solution is a truly universal and open platform that, with the use of the most updated technology standards, allows the smooth integration of third-party products. Furthermore, it offers a highly flexible and customizable project through a user-friendly user interface.

Key word: Integration

All Symphony subsystems, although different in terms of functionality, brand and technology, interact with each other using a common language to provide a comprehensive service for the user.

Symphony is made of a network infrastructure and a middleware that connects all the devices and components. An accurate hardware design and the adoption of industrial components allow to deploy devices having in energy saving and low noises emissions their strength. This ensures a high reliability and survivability of the system even under the most demanding conditions.

Management and control, simple and immediate

The integration with the most adopted protocol standards allows to control many field devices, giving customers all the features they look for, and provides a comprehensive supervision of all the devices. Symphony has a single interface that can run on any device: TV, touch panel, tablet or smartphone show a familiar and easily accessible layout, which can also be completely customized.

A wide range of controllers is also available to access every function (entertainment features, home automation, monitoring, surveillance and communications): Touch Panel Wall, Apple™ iPad, iPhone and iPod touch, AMX™ and Crestron™ remote controls, wireless devices based on Android™, smartphones and desk phones, as well as infrared remote controls.

Innovative Multilingual System

With the new multi-language support feature, the Symphony platform becomes even more powerful, for both the users and the system integrators.

With a simple touch on the control app, the users can change the interface language of all Symphony devices at the same time, without having to access complex settings, specific for each device. The language localization of the interface goes beyond the App and audio/video client menus: it applies to all the metadata of the audio and video content loaded onto the system. It is not a simple translation; e.g. movies are often distributed with different titles depending on the country and Symphony users can search for them by the title valid for their country.

For installers, creating multilingual interfaces has never been easier: it is sufficient to create the project for the main language, and then assign to each graphic element and text the corresponding resource or label in the other languages to be supported.

The system natively supports all character sets, allowing the simple creation of user interfaces in various languages (in Cyrillic, Chinese, Arabic, etc.).



Multilingual



COMFORT LIVING

COMFORT LIVING

Supervision and control

The perfect environment for every occasion

Imagine yourself entering your living room, waving a hand and making the magic happen: lights dim, curtains close, a delightful scent spreads in the air, a pleasant temperature is set and your favourite song starts playing, inviting you to relax. Nobody can disturb you, all the phones are muted and the external boundary is guarded by the security system.

Comfort living is a paradigm that involves the entire living environment; not just a single lamp or curtain, but all the lighting, air, space, and vibrations, able to suit your mood and feelings.

Symphony is the key step towards the realization of all this, thanks to an extremely intuitive interface, which provides a one-touch snapshot of the room settings; and allows to create customized scenarios.

Symphony is an open platform and is able to integrate the most wide-spread technologies available. This ensures a great freedom in the design of lighting, climate and automation solutions. The designers can choose the technology that suits best the needs of the client, and will guarantee the perfect integration into the Symphony platform, on interfaces and scenarios.

Full Control, everywhere

The control settings are easily accessible from the wall touch-screens, wireless controllers, tablets or smartphones. The graphic interface is fully customizable and it is created to meet the client demands, being user friendly with a great design and performance.

System features:

- Complete lighting control: dimmers, switches, LED lighting, RGB color and RGB / White, color temperature (warm, neutral, cold).
- Control of HVAC systems
- Control of all automation devices (curtains, shutters, screens, lifts)
- Integration of solutions for entertainment, music, TV, beamers.
- Integration of controls for video surveillance, security and monitoring for environmental parameters (wind, temperature, humidity, level gauges, etc.) on touch panel and/or tablets



Buildings



Room



Scenarios



Lighting



RGB Lights



Curtains



HVAC

INTEGRATED AUTOMATION TECHNOLOGIES*



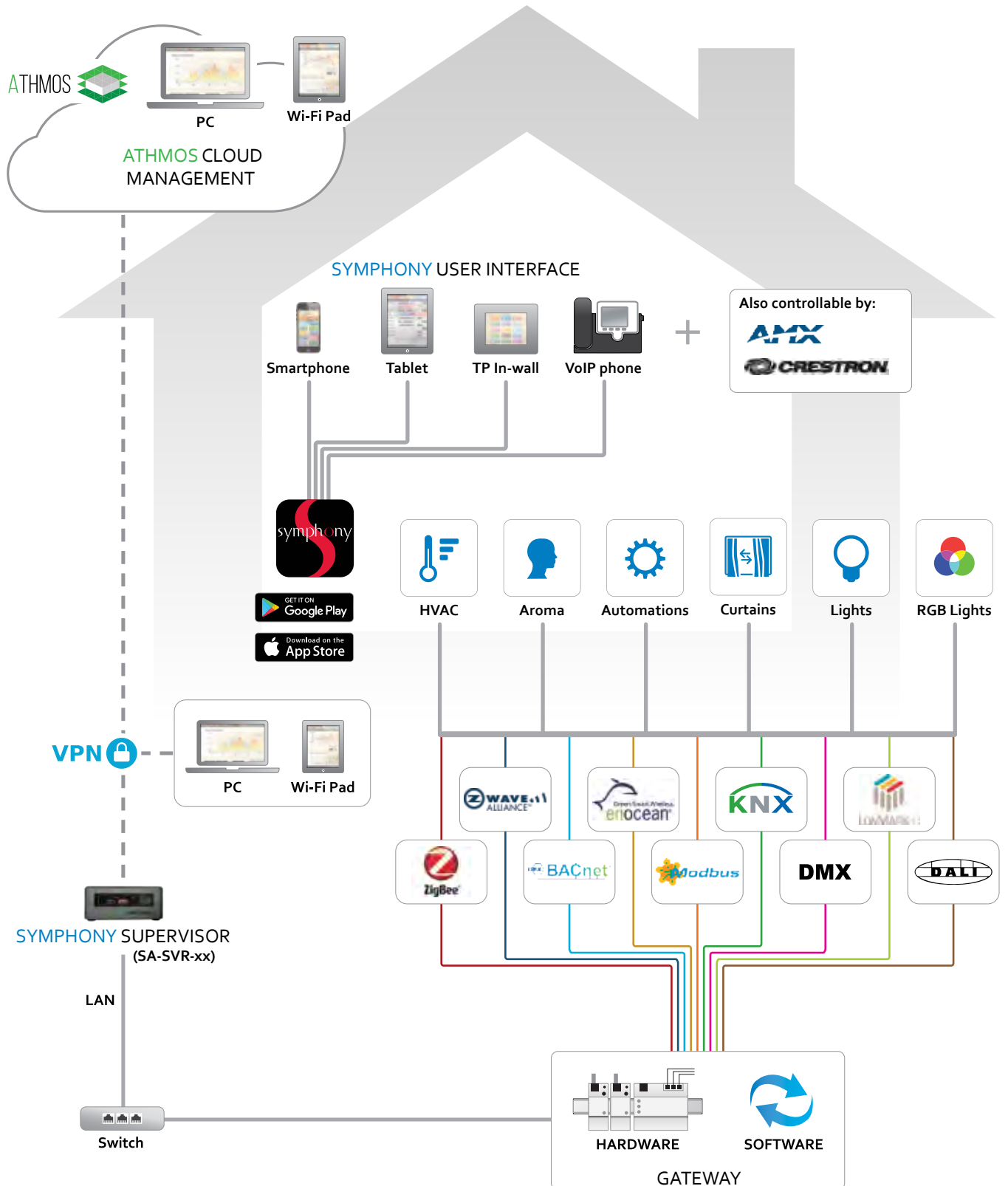
DMX



* The trademarks described are property of their respective trademark owners.

COMFORT LIVING

SCHEME



SYMPHONY SUPERVISOR

COMFORT LIVING



SA-SVR-30-MID



Multi-protocol

Symphony is a natively open system, which can integrate the main automation standards (KNX, BACnet, LONworks etc.) but also the major proprietary systems. Wherever possible, the integration is built over Ethernet interface, and hardware gateways are only used when these are not available.

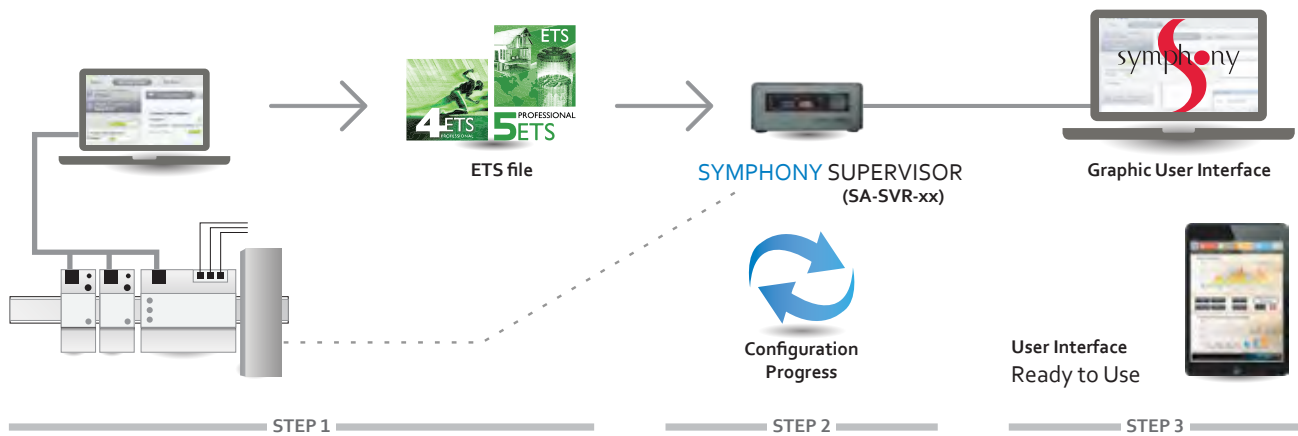
Simplified configuration

Symphony provides a comprehensive graphical interface, extremely powerful yet very simple to use for plants management. Some special features are:

- Unique interface for managing different subsystems.
- Simplified multi-level Web Administration
- Wizard for home automation configuration in three steps*

Control interface

Symphony provides a single control interface for multiple systems: climate, lights, automation, entertainment systems, communication and security. It is based on a unified control logic, in order to simplify the execution of all the operations. The interface allows to create a fully customized control panel; through an intuitive Web design platform, it allows to have a dynamic page visualization, based on access permissions and user defined scenarios.



Home automation configuration in three steps

SYMPHONY SUPERVISOR

Technical specifications	SA-SVR-10		SA-SVR-20*		SA-SVR-30*	
	BASIC	MID	BASIC	MID	BASIC	MID
No. of objects	500	500	700	700	unlimited	unlimited
Scenario creation	●	●	●	●	●	●
No. of user devices	5	5	15	15	15	unlimited
APP graphic panel creation	●	●	●	●	●	●
Graphic rules creation	●	●	●	●	●	●
Web Interface	●	●	●	●	●	●
No. of A/V client	○	○	5	5	10	10
Storage (SSD)	32GB	512GB	128GB	1TB	1TB	2TB (no SSD)
RAM	4GB	4GB	8GB	8TB	8GB	16GB
Alarm management	●	●	●	●	●	●
Anti-intrusion systems (Security Module)#	●	●	●	●	●	●
CCTV camera Integration (Security Module)#	●	●	●	●	●	●
HTTP camera support	●	●	●	●	●	●
VoIP Terminals	● (#Intercom module)	10	10	50	unlimited	unlimited
VoIP External lines	○	○	○	●	●	●

*Virtual picture available upon request

●	Available
○	Not Available
●	Optional

#SECURITY MODULE

An optional software module that allows to manage the information of the anti-intrusion system of different manufacturers (TecnoAlarm, Ksenia, Gewiss, DSC are already integrated systems) and to integrate the CCTV cameras.

#INTERCOM MODULE

Optional Intercom management software module. It allows to transmit video door entry calls to IP phones or to iPad and Smartphone applications.



Lighting



RGB Lights



Scenarios

Refined Control of Lighting

Following the directions of the European Directive 2018/844/UE, Symphony allows the management of the following single or combined functions, in automatic and manual mode:

- Setting lights on, off and dimming.
- Daylight-dependent setting of lights.
- Daylight-dependent and presence-based setting of lights.

Symphony also provides a powerful tool to unleash the full potential of lighting management, from simple on/off commands to controlling lighting levels, color and dynamic white, based on natural lighting conditions.

All possible scenarios

The Symphony interface allows to create and activate various scenarios in few simple steps.

A single scenario can: control lighting, curtains and climate, play music or your favourite movie, control the security systems and the voice mail.

Regardless of the underlying technology.

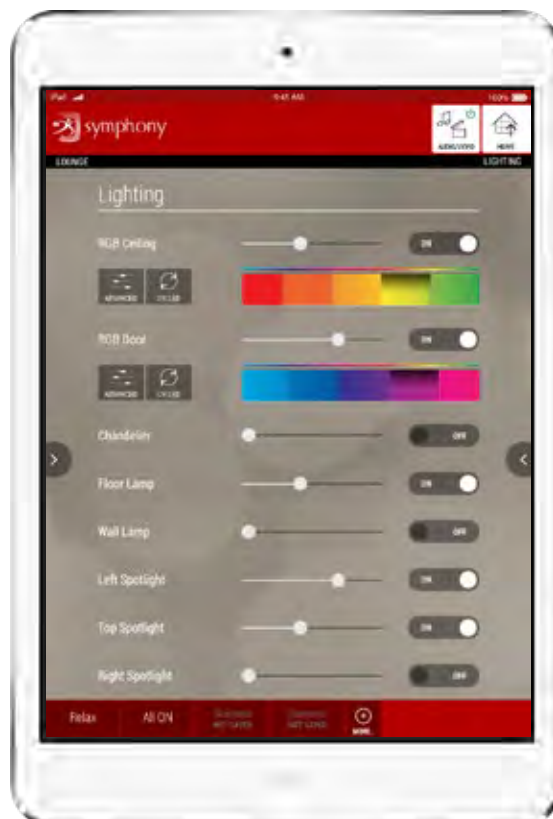
FOCUS ON: DALI

DALI (Digital Addressable Lighting Interface) is a communication protocol designed for the digital control of lighting. The two-wire control line allows to control up to 64 DALI ECGs, divided into a maximum of 16 groups (individual or broadcast). The switching and dimming functions are managed by the control line; a relay is not required. Important information, such as the status of lamps, is stored in the power supply and is available to the user.



LIGHTING

COMFORT LIVING



RGBWhite Control

The system differs from traditional lighting control & management systems thanks to its innovative technical features; e.g. the direct management and driving of the light bulbs, in particular LEDs.

There are projects where all the colours must be perfectly synchronized, despite of the different nature of light sources. The perfect integration of the control system with the electronic dimmers will deliver a top result, with a precise setting of each control circuit.

Symphony and DALI

DALI offers unlimited possibilities. This professional standard allows operating altogether the lighting controls, the sensors, the control devices, the electronic power supplies and the lamps. An unlimited two-way communication enables an advanced lighting management, allowing to create scenarios and customized lighting effects.

The control of DALI systems with Symphony interfaces is intuitive and straightforward; e.g. integrating the DALI lighting on top of a KNX home automation project.

HVAC SYSTEM

COMFORT LIVING



HVAC



Scenarios

The right climate

Symphony allows to control any HVAC system, even the most complex ones, through a Web browser, or the inSymphony applications for iPad and iPhone, or through the touch panel, using manual controls.

It is possible to control individual splitters (IR-controlled), standard systems (acting on remotely controllable thermostats), standard bus systems (with BACnet interfaces and/or LONworks), as well as proprietary bus systems.

It is always possible to change the set-point for temperature and humidity, modify the fans speed and the levels of forced ventilation; and all these actions can be performed both manually and automatically, according to configured parameters.

Energy efficiency

Symphony, as a building and control automation system, guarantees an active energy efficiency system, able to maximize the energy efficiency of the technical plants in the building, according to environmental conditions and intended use of each space. An energy consumption reduction always provides the highest levels of comfort, safety and quality.

DIRECTIVE 2018/844/UE

To promote the adoption of intelligent technologies, Directive 844/2018 introduces the Smart Readiness Indicator (SRI), which is an indicator of the readiness of buildings to support intelligent control. The indicator takes into account the characteristics of energy savings, comparative analysis and flexibility, as well as enhanced features and capabilities through more interconnected and intelligent devices.

The intelligent services identified are grouped into 11 domains: heating, cooling, domestic hot water, mechanical ventilation, lighting, dynamic enclosure systems (window opening control), on-site energy production, *Demand Side Management* (DSM), charging of electric vehicles, monitoring and control.

AUTOMATION

COMFORT LIVING



Scenarios



Manage Scenarios



Window Control

Home Automation

Symphony simplifies daily activities, it integrates all home facilities and communicates with them; e.g. access control, hot water heating, garden irrigation, pool management, electricity distribution. Symphony manages the automation of spaces thanks to the connection with all available sensors and by controlling the actuators.

Energy Saving

Integration also means saving energy. The collected information is processed in order to improve the performance of the individual systems, all connected via a single communication infrastructure. This concept conveys two major advantages: reduced cabling costs and designing simplification.

Symphony supervises energy generation plants (e.g. PV Solar) and the control of the electrical loads, in order to monitor the production and management of energy consumption, to achieve a positive energy balance, and to protect the system from overloads and blackouts.

ECO-SUSTAINABILITY

An intelligent system that takes into consideration all the environmental aspects to define the right settings, according to weather conditions: lighting, humidity, temperature, and wind speed are continuously monitored and cross-analysed, in order to achieve the best comfort and maximize the energy efficiency.



BUILDING MANAGEMENT SYSTEM

TECHNICAL MANAGEMENT



 Buildings

 Lighting

 Security

 Event Rec

 Surveillance

 Alarms

 Manage Scenarios

 HVAC

Integration

The Symphony Building Management system is a complete suite of software tools for managing, controlling and monitoring the technical installations of buildings, regardless of the specific technology used.

Symphony integrates different protocols into a single software platform and allows you to manage heating and cooling, ventilation, lighting, automation, access control, video surveillance and intrusion, energy management and environmental comfort, sensors, wired and wireless network infrastructures, the phone system, the audio/video distribution.

The data are collected from the bus systems connected to Symphony, and are processed to empower the building operators to manage the various systems optimally.

BUILDING MANAGEMENT SYSTEM

TECHNICAL MANAGEMENT



Energy Management

Furthermore, the intelligent management of the electricity produced and consumed by a building is an increasingly important feature for energy qualification. It provides a relevant economic saving and strongly contributes to the value of a property.

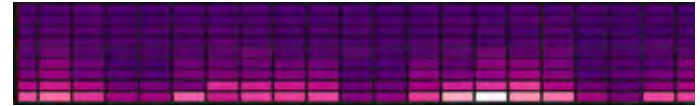
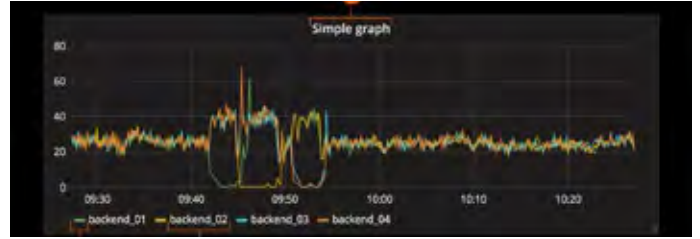
In this respect too, Symphony is a complete platform for the measurement, control and management of cogeneration plants, and for the active control of loads.

An intuitive and customizable interface allows the users to monitor and control all data related to energy production and consumption, which are made available by technologically different systems.



BUILDING MANAGEMENT SYSTEM

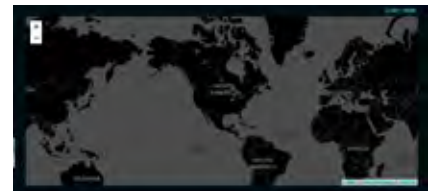
TECHNICAL MANAGEMENT



Control

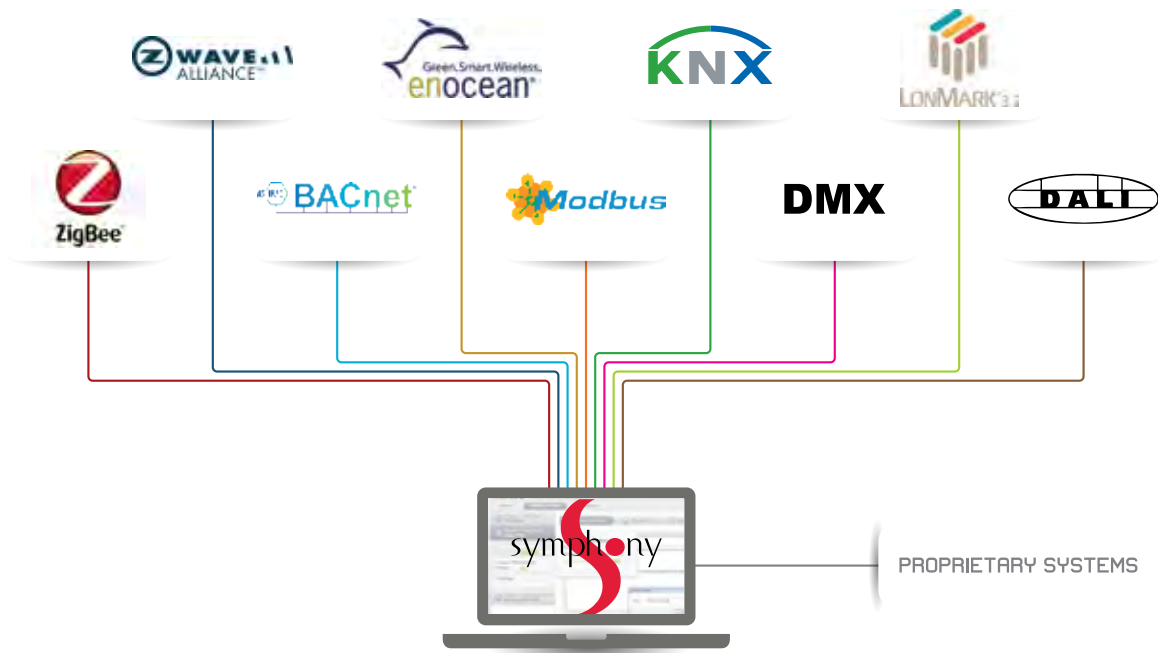
Analytics and reports are elaborated continuously, to provide real-time detailed indications on the state of the plants of the entire building. The integration with the **Grafana** platform allows, in fact, to create customizable plots of selected parameters, stored by the system locally or in the cloud.

For example, it is possible to have multiple data representations about the same source (plots, tables, etc.): to display consumption trends, to perform analyses on specific time intervals, to set filters on the data, to make comparisons or set thresholds (associated to a notification via sms or e-mail).



BUILDING MANAGEMENT SYSTEM

TECHNICAL MANAGEMENT



One BMS for all needs

Symphony Building Management is a complete solution that matches all the possible different uses and monitors all set parameters, offering an exhaustive overview of all plants.



SA-SVR-30-IND

HIGHLIGHTS

- Support of all major automation standards
- Remote access
- Programmable Logics for Automation Control
- Advanced Scheduling
- Management by areas and scenarios
- Reporting and data analysis
- User management
- Configurable Monitoring
- Generation, routing and event management
- Notification and event logging
- Energy Management
- Security
- High reliability

BMS PRODUCTS

Art.	Description
SA-SVR-30-IND	The Symphony Automation Supervisor can manage an unlimited number of objects. Rack mount. Multiprotocol. Climate modules, automation, lights and VoIP (2 external lines) are included. It is fitted with a VoD server, preloaded with a license that allows to manage up to 10 A/V (Art.SA-SVR-CL) clients Alarm, IP Cameras and IR gateway management. Multi-user customizable graphics. Global scenarios, customizable by the end user. Unlimited licenses for user devices are included. It supports an unlimited number of VoIP terminals. 1TB storage, expandable via expansion modules or disk upgrade. Multicore processor. It supports both complete virtualisation and redundancy (if the case, take into consideration the Cluster Manager, SA-SVR-00-CM). Ideal for industrial plants or big installations. Optional BMS (SA-SVR-BMS) Module.
SA-SVR-00-CM	Symphony Automation Cluster Manager. To be used with a BMS module and at least two high reliability configured SA-SVR-30-IND servers.
SA-SVR-BMS	Software license for the management of technical plants of buildings. It allows to monitor and control data points, alarms, rules. SA-SVR-IND is required. High reliability module, that can be activated purchasing a second server and the Cluster Manager (SA-SVR-00). APP or Web visualization (up to 25 user at the same time)

COMFORT LIVING

PRODUCTS

Symphony Supervisor

Art. SA-SVR-10



DESCRIPTION

The Symphony Automation Supervisor, manages up to 500 objects. Multiprotocol. Customizable graphics. Climate modules, automation and lights are included. Available in multiple versions: Base, Mid, Virtual.

METRICS/MOUNTING:

- (HxWxD) 51 x 115 x 111 mm
- VESA mount
 - 12-19 VDC input voltage
 - Operating System: Windows® 10, 64-bit

Art.	Description
SA-SVR-10-BASE	The Symphony Automation Supervisor manages up to 500 objects. Multiprotocol. Climate module, automation, lights, and Intercom are included. Alarm, IP cameras and IR gateway management. Multi-user customizable graphics. Global scenarios, customizable by the end user. Native application available on iOS and Play Store. 5 licenses for user devices included.
SA-SVR-10-MID	The Symphony Automation Supervisor manages up to 500 objects. Multiprotocol. Climate module, automation, lights, and VoIP Home are included. Alarm, IP cameras and IR gateway management. Multi-user customizable graphics. Global scenarios globali, customizable by the end user. Native application available on iOS and Play Store. 5 licenses for user devices included. It can support up to 10 VoIP terminals.
SA-SVR-10-VIRTUAL	The Symphony Automation Supervisor manages up to 500 objects. Multiprotocol. Customizable graphics bile. Virtual version that can be integrated with any available server, adapting to all client's needs.

Symphony Supervisor

Art. SA-SVR-20



DESCRIPTION

The Symphony Automation Supervisor, manages up to 700 objects. Multiprotocol. Customizable graphics. Climate modules, automation, lights and VoIP are included. Available in different versions: Base (VoIP and VoD), Mid, Virtual.

METRICS/MOUNTING:

- (HxWxD) 51 x 115 x 111 mm
- VESA mount
 - 12-19 VDC input voltage
 - Operating System: Windows® 10, 64-bit

Art.	Description
SA-SVR-20-BASE-VoIP	The Symphony Automation Supervisor manages up to 700 objects. Multiprotocol. Climate module, automation, lights, and VoIP Home are included. Alarm, IP cameras and IR gateway management. Multi-user customizable graphics. Global scenarios, customizable by the end user. Native application available on iOS and Play Store. 15 licenses for user devices included. It can support up to 10 VoIP terminals.
SA-SVR-20-BASE-VoD	The Symphony Automation Supervisor manages up to 700 objects. Multiprotocol. Climate module, automation, lights, and VoIP Home are included. VoD server licensed to manage 5 A/V clients (Art.SA-SVR-CL) is included. Alarm, IP cameras and IR gateway management. Multi-user customizable graphics. Global scenarios, customizable by the end user. Native application available on iOS and Play Store. 15 licenses for user devices included. It can support up to 10 VoIP terminals.
SA-SVR-20-MID	The Symphony Automation Supervisor, manages up to 700 objects. Multiprotocol. Climate module, automation, lights, and VoIP are included (2 external line). VoD server licensed to manage 5 A/V clients (Art.SA-SVR-CL) is included. Alarm, IP cameras and IR gateway management. Multi-user customizable graphics. Global scenarios, customizable by the end user. Native application available on iOS and Play Store. 15 licenses for user devices included. It can support up to 50 VoIP terminals. 1TB of space, expandable via expansion modules.
SA-SVR-20-VIRTUAL	The Symphony Automation Supervisor, manages up to 700 objects. Multiprotocol. Customizable graphics. Virtual version that can be integrated with any available server, adapting to client's needs.

COMFORT LIVING

PRODUCTS

Symphony Supervisor

Art. SA-SVR-30



DESCRIPTION

The Symphony Automation Supervisor, handles unlimited features. Multiprotocol. Customizable graphics. Climate modules, automation, lights and VoIP (2 external lines) included. Available in different versions: Base, Mid, Virtual.

METRICS/MOUNTING:

- (HxWxD) 43 x 434 x 495 mm
- (HxWxD) 43 x 434 x 495 mm
- Rack mount, chassis 1U
- Power consumption: 250 W PSU
- Operating system: Windows, Linux.

Art.	Description
SA-SVR-30-BASE	The Symphony Automation Supervisor, handles unlimited features. Multiprotocol. Climate modules, automation, lights and VoIP (2 external lines) are included. VoD servers licensed to manage 10 A/V clients (Art.SA-SVR-CL) are included. Alarm, IP cameras and IR gateways management. Multi-user customizable graphics. Global scenarios customizable by the end user. Native application available on iOS and Play Store. 15 licenses for user devices included and support for an unlimited number of VoIP terminals. 1TB disk space included, expandable via expansion modules.
SA-SVR-30-MID	The Symphony Automation Supervisor, handles unlimited features. Rack mounting. Multiprotocol. Climate modules, automation, lights and VoIP (2 external lines) are included. VoD servers licensed to manage 10 A/V clients (Art.SA-SVR-CL) are included. Alarm, IP cameras and IR gateways management. Multi-user customizable graphics. Global scenarios customizable by the end user. Native application available on iOS and Play Store. Unlimited licenses for user devices included and support for an unlimited number of VoIP terminals. 1TB disk space included, expandable via expansion modules or disk upgrades.
SA-SVR-30-VIRTUAL	The Symphony Automation Supervisor, handles unlimited features. Multiprotocol. Customizable graphics. Virtual version that can be integrated with any available server, adapting to client's needs.

The Symphony Supervisor solutions scale to different needs: from the basic versions for small houses, to the more complex building systems, up to completely customizable versions.


COMFORT LIVING

PRODUCTS

Symphony Supervisor – Software Modules

Art.	Name	Description
SA-SVR-IP	License InSymphony	Software license for enabling the InSymphony App for tablet and smartphone.
SA-SVR-VO	Intercom Module	The Symphony Intercom Management Module allows the conveying of the video entry phone calls to IP phones or to the tablet and Smartphone applications.
SA-SVR-BMS	BMS Module	Symphony Management System's Module. Software license for the management of technical installations in buildings. It allows advanced management of datapoints, alarms, rules. Requires SA-SVR-30 IND. High availability module activated with the purchase of at least a second server, and with the purchase of the Cluster Manager (SA-SVR-00). Visualization via APP and/or web (maximum 25 simultaneous users)
SA-SVR-AA	Security Module	Symphony Security Module. It allows to manage and integrate the information from the anti-intrusion and CCTV systems of different manufacturers. See the updated list of supported brands

Gateway

Name	Description		Manufacturers
IR Gateway (SA-IP-IRx)	Infrared (IR) bidirectional gateway. It allows the control of up to 2 or 4 devices via an infrared sensor on an Ethernet network. Ideal for emulating TV remote controls, STB, splitter, console etc.		Nextworks
I/O IP Module (SA-IO-EXT)	Module Input/Output Ethernet. It has 6 channels and 2 Ethernet ports.		Moxa
KX-01	IP / KNX interface. It allows the connection of KNX lines to IP backbones and the interface to the KNX bus of PC via LAN. Equipped with a plug-in terminal for connection to the bus.		Ekinex, ABB, Loytec, Schneider, ecc.
SA-BC-01	BACnet / IP interface. Able to forward messages between BACnet / IP, BACnet / Ethernet and BACnet MS / TP. Din rail mounting.		Ekinex, ABB, Loytec, Schneider, Distech, ecc.
KX-10	KNX / DALI interface. It manages up to 64 Slave devices in 16 groups.		Ekinex, ABB, Schneider, ecc.

NOTES



ENTERTAINMENT
AUDIO/VIDEO CONTROL

ENTERTAINMENT

Audio / video control

Symphony allows you to create a multimedia environment in a residential environment and in more complex buildings, such as conference rooms and auditoriums. It can also be deployed in completely customized installations, to meet any specific needs.

Thousands of movie entries for your needs

The entertainment system in **Symphony** consists of a high-capacity multimedia server (able to store movies, music, images) and of an A/V media player. It provides outstanding HD video outputs to TV sets and beamers. The system offers a wide range of advanced features, such as movies and music broadcasting, content uploading, access to the multimedia database, access restrictions (parental control) and party function. Thanks to the wide range of available commands and to the fashionable and intuitive interfaces, Symphony guarantees a very simple use of the system.

With Symphony, TV sets and remote controls go much beyond the standard features: the user can monitor video surveillance cameras and access the technical functions.

Symphony provides the widest choice of A/V devices and the integration of any type of display, TV screen, speakers, as well as the most adopted control systems such as Crestron™, AMX™, iPhone™ and iPad Apple™, Android devices.



There are no restrictions on remote devices that can be used, either in terms of type of device or brand. You will have full freedom to customize the interfaces and functions, according to your needs and desires.

So, there is no one-fits-all solution but, for sure, there is a wide range of perfect solutions, each suiting specific needs.

SOME FEATURES:

- Audio/Video on Demand.
- Pictures and images menu
- Automatic content loader
- Automatic system for A/V information management
- Simultaneous and independent access to the Audio and Video content.
- User profiling and accounting
- Control with iPad™ / iPod™ / iPhone™ integrated with InSymphony App
- Fully customizable interfaces
- Integration of any A/V device controllable via IR, serial, and Ethernet
- Integrated control of set-top boxes, Apple TV, Satellite Decoder



AV Library



Media-Box



Blu-Ray



Party



Satellite



Apple TV



Media Loader



Lifter UP/DW

IN THE FOREGROUND



The **Multilingual function** allows to specify the desired language and to translate all the audio/video content metadata accordingly, so that the users can search for movies and content in the system with the original title in their country.

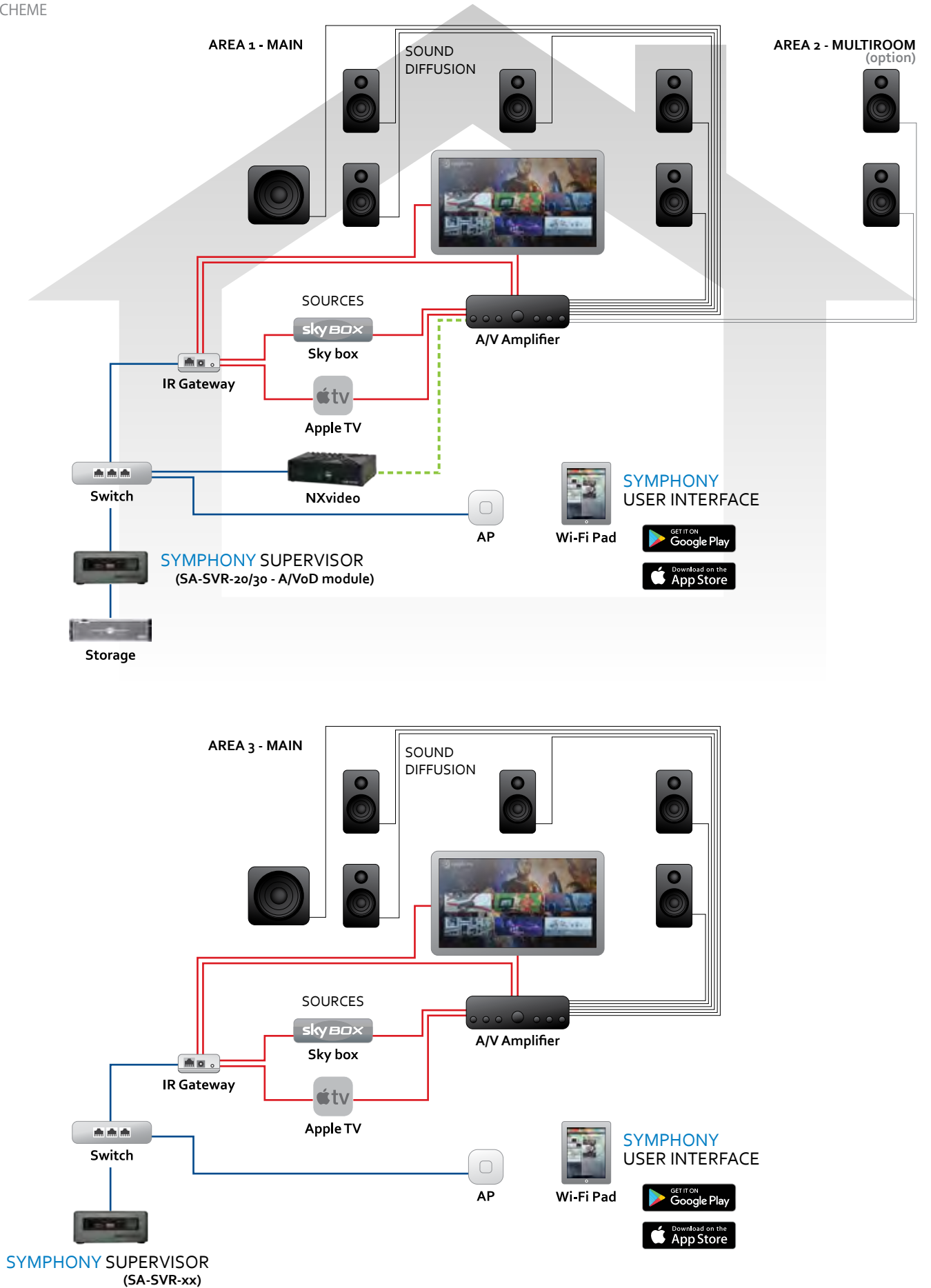
Integrated with **Plex Media Server** for Audio / Video content. Plex is currently one of the best performing media servers, and it is enhanced by greatly improving the user experience.

PLEX

Client does not transcode: it does not need additional server-side resources. This allows to have a fluid and high performance vision without any hitch

ENTERTAINMENT

SCHEME



AUDIO VIDEO ON DEMAND - MEDIA PLAYER

ENTERTAINMENT



Audio only streaming player



Audio/Video streaming player

A mix of design and high performance

The Symphony media player has been designed with the aim to achieve an extremely robust and silent device, so to allow to enjoy own movie and music library with the highest available quality of audio and video.

SILENT

The fanless cooling system ensures an extremely low noise operation (0 dBA), both in stand-by mode and when playing.

DESIGN

The elegant and compact design of the Symphony player has been conceived to combine in a single device professional hardware quality, captivating appearance and small size.

STRENGTH

The solid-state drives and the lack of moving parts, make the media player suitable for extremely harsh environments.

Professional Video on Demand

The Video on Demand system allows a simplified management of thousands of movies and hundreds of hours of music, accessible from any media player. The Symphony VoD servers come in 3 different sizes and provide a reliable storage for all audio, video and image formats, loaded into the system in a fully automated way.

Functions:

- Multi-room VoD distribution
- Multi-Zone Audio on Demand Distribution
- Photo and images library
- Metadata automatic management
- Unlimited number of simultaneous users
- Independent access to content from all stations
- Centralized monitoring, management and control

4K STREAMING

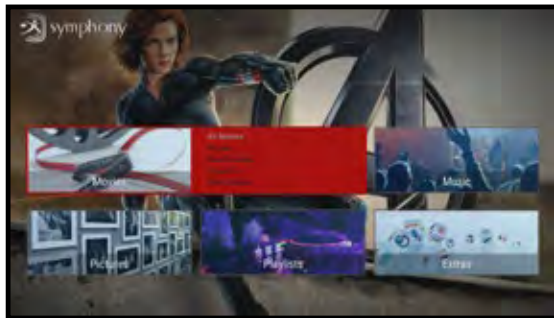
The media player offers spectacular viewing of any video content, including HD and 4K. The accurate design of the system ensures an absolute quality of the video stream, without any loss of detail or fluidity.

MEDIA PLAYER INTERFACE

ENTERTAINMENT



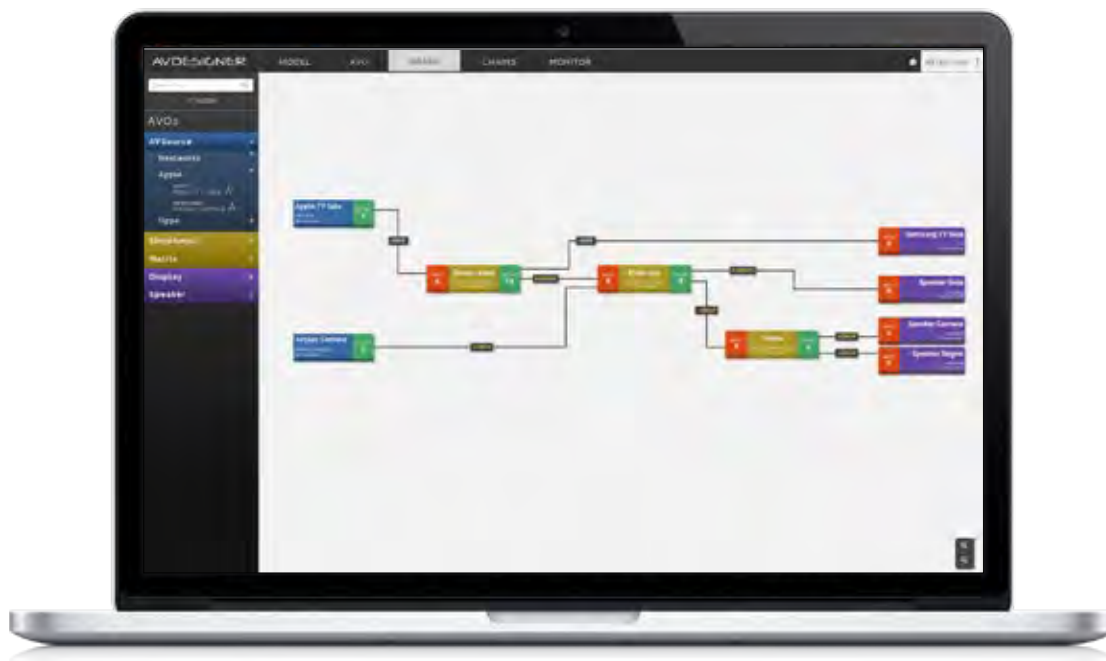
MULTILINGUAL APP



AUDIO/VIDEO DESIGNER

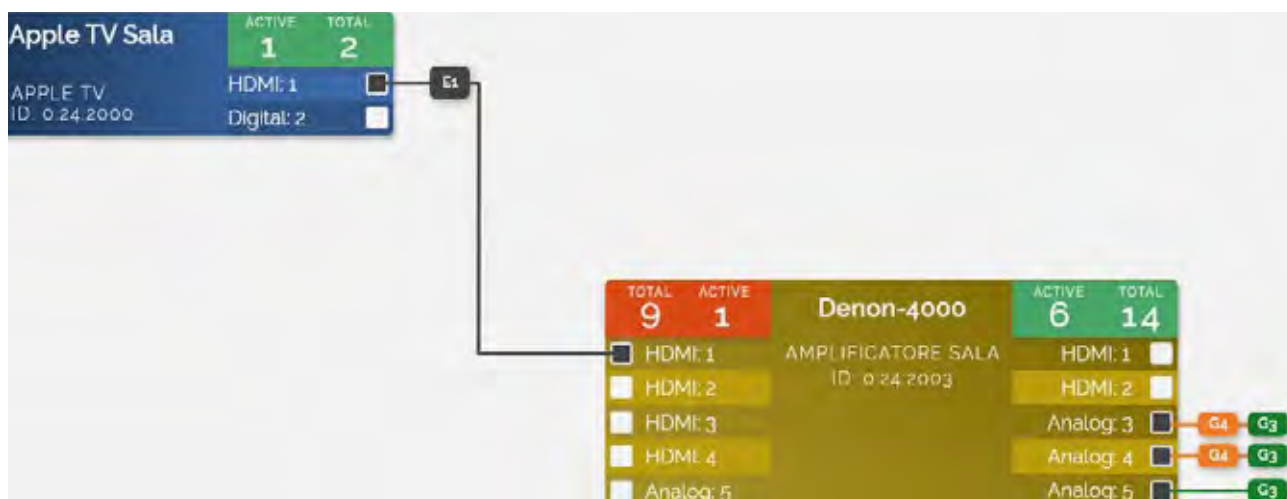
ENTERTAINMENT

The AV designer is a service that has been developed thanks to years of experience in this sector; it offers system integrators a simple and reliable support tool, in the configuration, management and monitoring of AV systems.



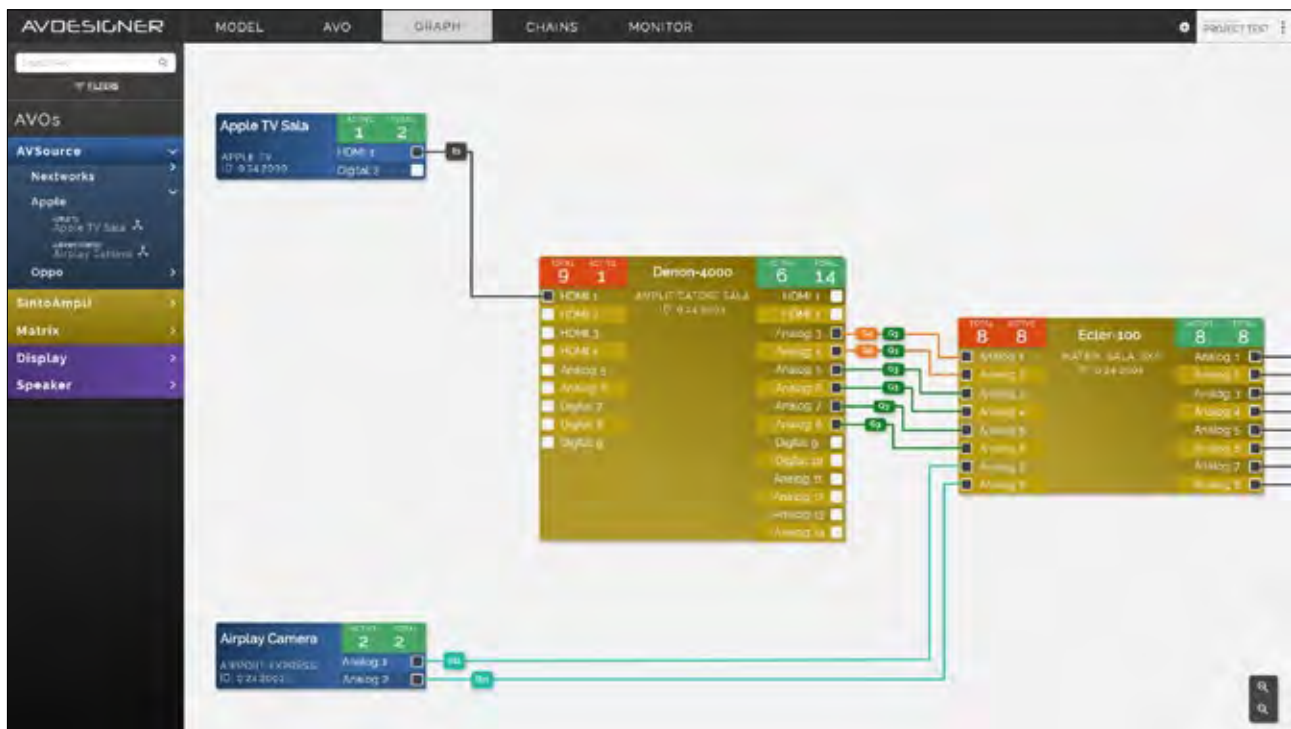
The main strength is the new configuration interface that allows, in a visual way, to define the topology of the system and all the interconnections between its elements, such as A/V sources, amplifiers, matrixes, extenders, TV sets, projectors.

Moving on from the project to configuration has never been easier.



AUDIO/VIDEO DESIGNER

ENTERTAINMENT



The **AV Designer** is an orchestrator able to abstract the hardware resources and provide the installer with GUI tools that allow:

- Define, configure and manage abstract resources, independently of the real device. This allows swapping equivalent devices of different brands, without the need to change the configuration.
- Draw the audio/video links that exist between the resources.

Each A/V element is equipped with a default (but customizable) user interface that allows the creation of control interfaces in a simple and intuitive way.

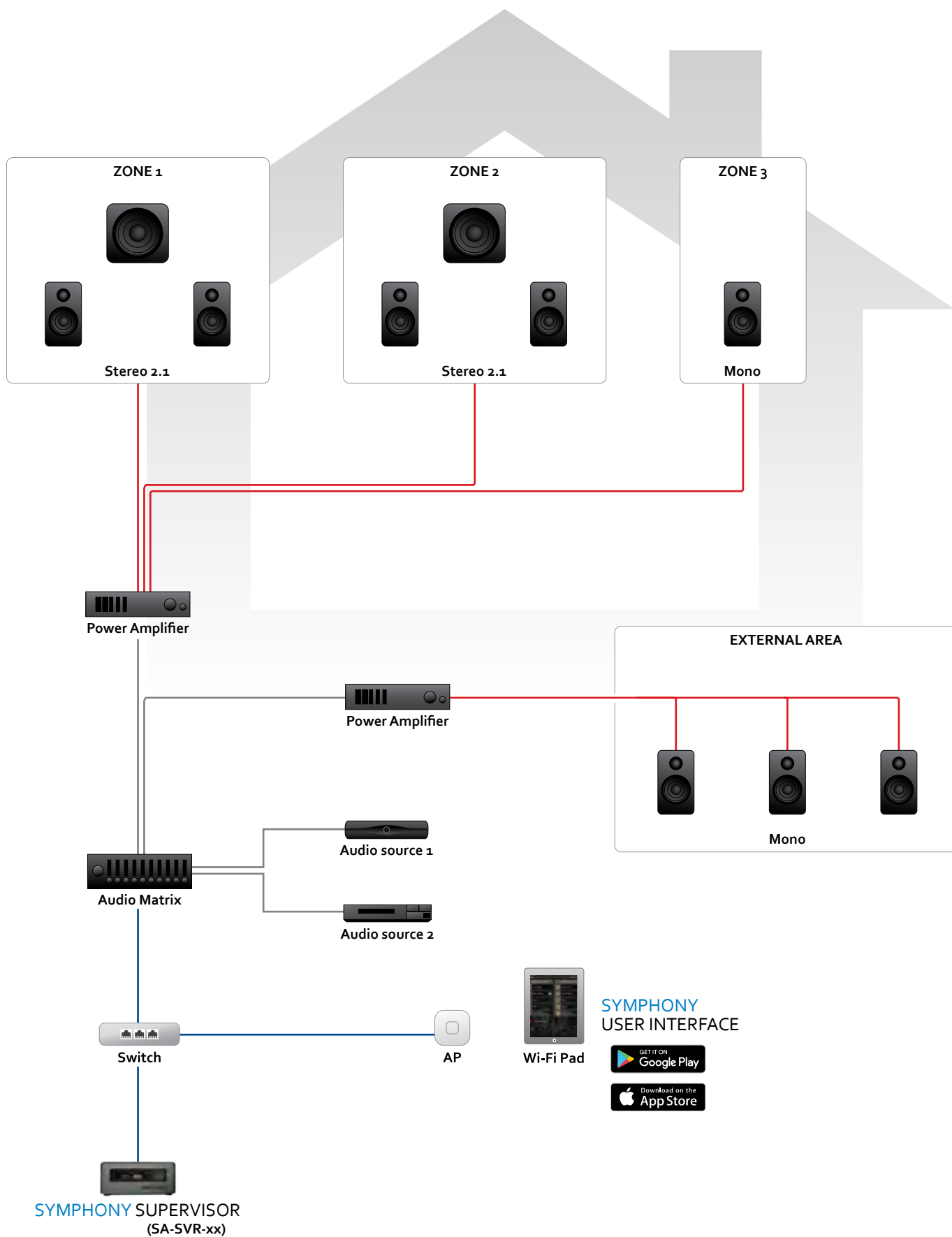
Among the resources that can be managed, a special mention goes to the support for Crestron processors, which significantly increases the number of compatible devices.

The visual management system, therefore, has the following advantages:

- simplified configuration of the A/V system;
- visual control of the system;
- greater flexibility in the modification and maintenance phases;
- possibility to implement powerful policies for the management of the shared resources, even on a priority basis;
- monitoring of each component, including all the intermediate devices involved (A/V receiver, matrixes, etc.), which brings a great support during the troubleshooting phase.

MULTIROOM AUDIO SYSTEMS

SCHEME



DIGITAL SIGNAGE

ENTERTAINMENT



Digital Signage solutions to turn your screen into a powerful communication channel. In any sector (retail, museums, convention centers, conference rooms, hotels, restaurants, etc.), choose your content to attract and engage potential customers.

Powerful and feature-rich

The Digital Signage solution by Nextworks transforms any display, from a small TV to a large screen in real time, into an interactive and easy-to-use marketing tool.

With a simple management via the web, using your preferred layout, you can integrate your social networks, your Tripadvisor profile and the latest news. You can also share your positioning information to get weather forecasts, real-time news and nearby events, create personalized multimedia playlists, program them and modify them remotely.

Just choose the content you prefer and each screen will automatically become your best showcase window.

Depending on the monitor set, you might have multiple choices of NXsign. If the monitor does not include an integrated player, the NXsign player and the Standard / Professional license associated with it are the perfect solution. Both a Cloud Standard / Professional version and an on-premises version are also available (with a server that manages up to 10, 25 , 50 players).

DIGITAL SIGNAGE PRODUCTS

Art.	Name	Description
SA-DS-PLFHD	NXsign Player FHD	NXsign Player DigitalSignage Full HD. To be combined with a monitor/TV screen. OS: Android. It needs NXsign Player Licence, Standard or Professional
SA-DS-PL4K	NXsign Player 4k	NXsign Player DigitalSignage 4K. To be combined with a monitor/TV screen. Mainstream HTML5, H265 compression, 16Gb data storage and class 10 included. It needs NXsign Player Licence, Standard or Professional.
SA-DS-CLStd	NXsign Cloud Standard	NXsign Standard Software to edit contents and to create layouts (full-screen). Cloud version (annual cost)
SA-DS-CLPro	NXsign Cloud Professional	NXsign Professional Software to edit contents and to create layouts (per zone). Cloud version (annual cost)
SA-DS-SRV-10	NXsign Server Licence to manage up to 10 players	One-time Server NXsign license to manage up to 10 players (on premises)
SA-DS-SRV-25	NXsign Server Licence to manage up to 25 players	One-time Server NXsign license to manage up to 25 players (on premises)
SA-DS-SRV-50	NXsign Server Licence to manage up to 50 players	One-time Server NXsign license to manage up to 50 players (on premises)
SA-DS-LICStd	NXsign Player Standard Licence	One-time Player NXsign Standard license to edit contents and to create layouts (full-screen)
SA-DS-LICPro	NXsign Player Professional Licence	One-time Player NXsign Professional license to edit contents and to create layouts (per zone)
SA-DS-SYNC	Sync Module	Module for players synchronization

INVISIBLE AUDIO SYSTEM

ENTERTAINMENT



It is the ideal solution for homes and large spaces.

It is the ideal solution for homes and large spaces.

Suitable for creating sound immersion or sound effect in the audio system or like right and left channel in the Glauk Cinema system for main action effect during a movie scene.

Frequency Range	120 Hz / 20,000 Hz
Max Power	50 W
Impedance	8 Ohm
Max Voltage	20 V
Sensitivity	82 dB SPL/1m/2.80V

Give a soul to a space with sound perfection

Light entered into the design to recreate evocative atmospheres. In the same way, from now on, it will be possible to emphasize the space even with sound. A piece of furniture, a wall, a design element that turns into a speaker, into a "communicative space".

For this reason, we have chosen Glauk as a partner: to be able to provide high-performance technological solutions.



Now the audio is totally invisible

In nature, the sound is transmitted through vibrations. Glauk understood how to reproduce the same frequencies giving life to a true, exciting sound, called "natural sound".

This is possible through the use of the "exciters" technology, which GLAUK completely redesigned, giving this type of audio system the total quality that would be unthinkable without using traditional speakers. The "exciters" are installed behind panels of any material, becoming totally invisible. For this reason Glauk solutions can fit into any kind of environment, making invisible speakers and cables that are normally difficult to be integrated with particular furnishings

The OMNIDIRECTIONALITY makes the difference

The surfaces solicited by our systems emit 360 ° frequencies, you will be immersed in the perfection of the sound. Considering our audio sources, you can stay wherever you want: you will always be in the right place, ideal for listening, differently from the traditional speakers, which give their best in a specific point of the environment only to enjoy good listening..

HIGH QUALITY

The ability to create a perfect and omnidirectional sound at all frequencies (high and medium-high) is amazing; the ability to fulfill the requirements of the most professional and demanding users has increasingly confirmed the high quality of this technology.

ENTERTAINMENT

PRODUCTS

Symphony A/V on Demand

Art. SA-SVR-CL

NXvideo Base



DESCRIPTION

NXvideo Base. 4K streaming A/V Client, compact standard chassis, optical and analog audio outputs, HDMI 2.0 video output. Requires VoD module activated on Symphony Supervisor

METRICS/MOUNTING:

- (HxWxD) 51 x 115 x 111 mm
- hardware mounting system: VESA
 - Input voltage supported: 12-19 VDC
 - Pre-installed operating system: Windows® 10, 64-bit

Art. SA-SVR-CL-ADV

NXvideo Hi-end



DESCRIPTION

NXvideo Hi-end. 4K streaming A/V Client, compact steel chassis, fanless, optical and analog audio outputs, HDMI 2.0 video output. Requires VoD module activated on Symphony Supervisor

METRICS/MOUNTING:

- (HxWxD) 51 x 115 x 111 mm
- Power consumption < 15 W
 - Antivibrational Anodized aluminium chassis
 - Operating system: Nextworks embedded Linux

Art. SA-ACL

NXaudio



DESCRIPTION

NXaudio, Audio Media Player HD. It allows full access to the audio library; it supports playback of the most common audio formats such as MP3, WAV, OGG or WMA files.

METRICS/MOUNTING:

- (HxWxD) 43 x 134 x 94 mm
- AC to DC, DC 12 V / 3 A, 36 W with lockable power supply
 - Ultra-thin and silent chassis
 - Operating system: Nextworks embedded Linux

Art. SA-AV-L

Automated content loader



DESCRIPTION

Autoloader of content for CD / DVD / BD, up to 4 video transcodes, audio ripping and high quality, automatic content tag from the internet, compact edition.

METRICS/MOUNTING:

- (HxWxD) 33 x 385 x 230 mm
- Power consumption < 15 W
 - Antivibrational Anodized aluminium chassis
 - Working temperature Up to +44°C

The A/V clients to be associated with the Symphony supervisor.
A solution for every need.

AUDIO/VIDEO ON DEMAND

PRODUCTS

Symphony A/V on Demand

Art. SA-STO

VoD Storage



DESCRIPTION

DiskStation to store multimedia content. Base, Base 4TB, Advanced and Advanced 4TB versions available.

METRICS/MOUNTING:

(HxWxD) 165 x 100 x 225 mm

- AC input voltage: from 100 V to 240 V CA
- Supported clients: Windows XP and above, Mac OS X® 10.7 and above, Ubuntu 12 and above

Art.	Description
SA-STO-BASE	VoD Storage Base. DiskStation to store multimedia contents. 2x slot 3.5" SATA HDD
SA-STO-4TB	VoD Storage Base 4TB. DiskStation to store multimedia contents. 2x slot 3.5" SATA HDD. 2 HD of 4TB included.
SA-STO-ADV	VoD Storage Advanced. DiskStation to store multimedia contents. 4x slot 3.5" SATA HDD or 2.5" SATA SSD with maximum support of 48TB. Ideal in case of 4K content.
SA-STO-ADV-4TB	VoD Storage Advanced 4TB. DiskStation to store multimedia contents. 4x slot 3.5" SATA HDD or 2.5" SATA SSD with maximum support of 48TB. Ideal in case of 4K content. 2 HD of 4TB included.

Gateway

Nome	Description	Manufacturers
IR Gateway (SA-IP-IRx)	Infrared (IR) Bidirectional Interface. It allows to control through infrared sensor 2 (SA-IP-IR2) or 4 devices (SA-IP-IR4) on Ethernet network. Ideal for emulating TV remote controls, Splitters, consoles, etc..	Nextworks
KNX/RS-232 Interface	Configurable Bidirectional communication and protocol 232. Possibility to integrate multiple devices on KNX bus. Usable for volume control.	Ekinex, ABB, Zennio, ecc.

Amplifiers

Description	Manufacturers
Amplifiers (Audio) and Receivers (Audio and Video) Multi-zone compatible with low or high impedance outputs. Ethernet connection.	Denon, Onkyo, Yamaha, ecc.

AUDIO/VIDEO ON DEMAND

PRODUCTS

Speakers

Description

The compatible speakers are high or low impedance based on the chosen amplifier. There are visible models (on stand or wall mounted) built-in or invisible, which can be inserted in the most diverse materials and installable both inside and outside.

Manufacturers

Glauk, Focal, B&W, Bang & Olufsen, Sonance, ecc.

Matrix

Description

Digital matrix. DSP processing: signal generator, delays, inputs and outputs, complete parametric EQ filters, inputs with noise cancelling, level, silent, phase.

Manufacturers

Ecler, Biamp

Finals

Description

Audio-only amplifiers, with independent channels, available with different wattages and high or low impedance.

Manufacturers

Ecler, Inout, Apart, ecc.



SECURITY CCTV AND ANTI-INTRUSION

SECURITY

CCTV and anti-intrusion

Security - Always, Everywhere

The Symphony system connects surveillance cameras and intrusion detection sensors, managed by dedicated CCTV control stations: a powerful touch screen and a joypad interface provide multi-camera views and zoom + pan/tilt controls. Camera images can also be viewed from TV sets and phones, also remotely.

Symphony is able to notify events in many ways: with beeps, light signals and text messages, through call forwarding, with SMS, by displaying information pop-ups on the TV screen or iPad, and granting instant access to the alarmed camera. The security information is complemented by the technical monitoring and the data collected from the environmental sensors: all of this is presented on customizable synoptic panels, fully integrated into the CCTV control stations.

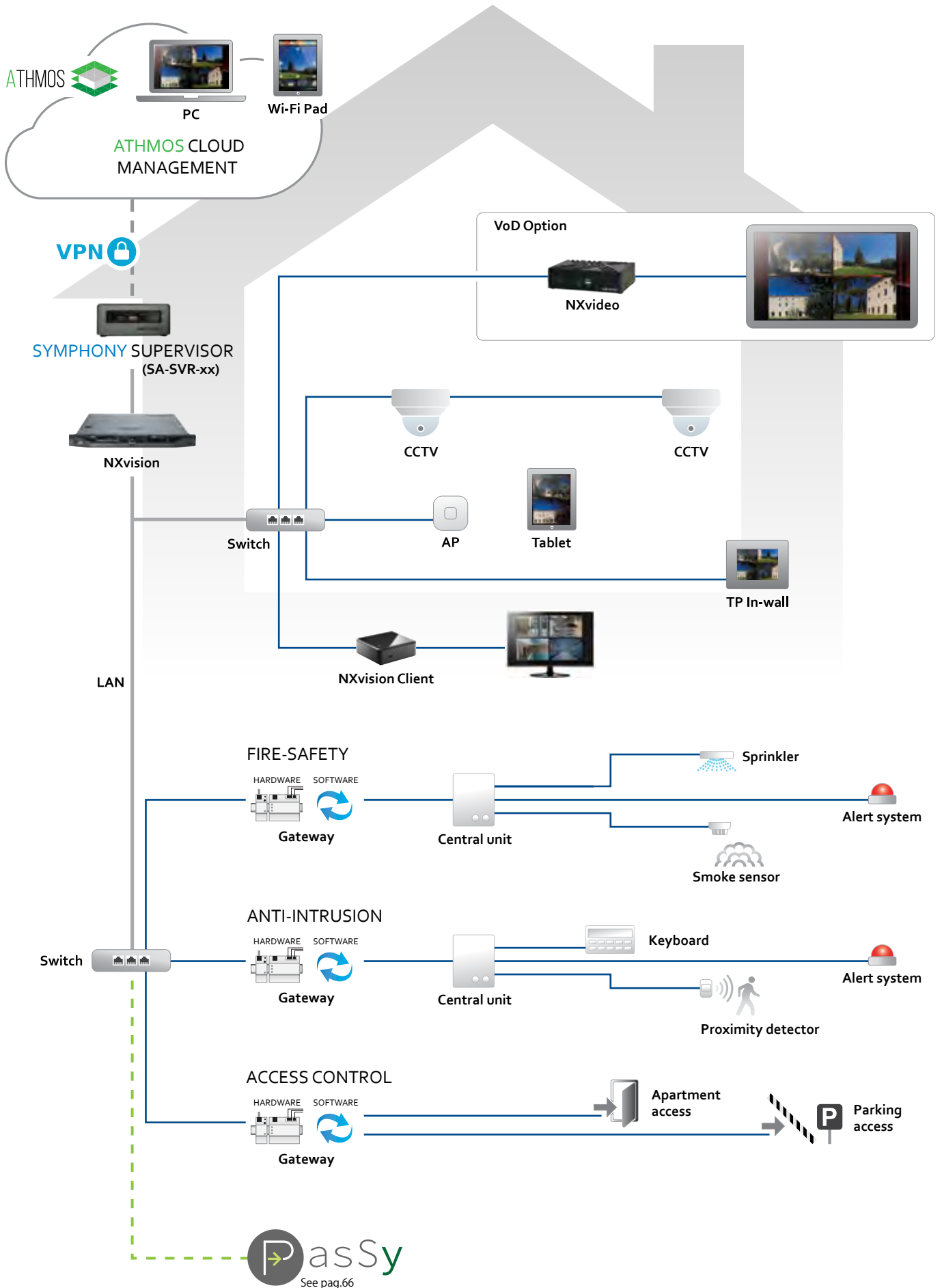
SOME FEATURES:

- Full control with dedicated panels
- Integration of video camera models by the major manufacturers (Panasonic, Sony, Axis, Pelco etc.)
- Traditional video surveillance functions (motion detection, recording, events, etc.)
- Complete integration with other devices within the system, and with the anti-intrusion system
- Control from A/V clients and other devices
- Complete integration with Alarm manager for the management and visualization of alarm signals
- Fully customizable user interface



SECURITY

SCHEME



VIDEOSURVEILLANCE

SECURITY



Video surveillance at your fingertip

Cameras visualization on TV and iPad

Symphony allows to show and control the cameras without the need of additional hardware usage.

SOME AVAILABLE FUNCTIONS ARE:

- Possibility to show multiple cameras on iPad, smartphone and TV.
- Pop-ups on TV screen and iPad/smartphone, to show notifications and to allow the visualization of recorded or live camera streams.
- Access to camera streams based on the user profile and credential and/or the location of the media player (parental control).
- Possibility of simultaneous and independent access to the camera streams.



CCTV SERVER - NXvision comparison chart

Specifications



NXvision Base 4-8
SA-NXV-Base4-8

NXvision Base 4-16
SA-NXV-Base4-16

NXvision Rack 4-16
SA-NXV-Rack4-16

	NXvision Base 4-8 SA-NXV-Base4-8	NXvision Base 4-16 SA-NXV-Base4-16	NXvision Rack 4-16 SA-NXV-Rack4-16
No. of provided licenses (per camera)	4 licences Start	4 licences Start	4 licences Start
Dimensions (form factor)	Compact edition	Compact edition	Rack mount-1U
Web Access	●	●	●
Storage (space on disk)	○	1 TB No RAID	1 TB No RAID
Maximal No. of cameras per server	8 (IP)	16 (IP)	16 (IP)
Multi-camera playback	●	●	●
Motion-based and event-based recording	○	●	●
Support for Mobile Applications	●	●	●
Map functionality	○	○	○
Bookmarking	○	○	○
Stereo audio	○	○	○
PTZ camera control and presets	●	●	●
Motion and alarm indication	●	●	●

● Available

○ Not Available

CCTV SERVER - NXvision comparison chart

Specifications

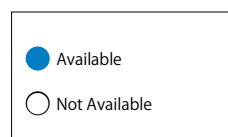


NXvision Rack 4-16 Raid
SA-NXV-Rack4-16-RAID

NXvision Advanced 4-64
SA-NXV-Adv4-64

NXvision Advanced 8-64
SA-NXV-Adv8-64

No. of provided licenses (per camera)	4 licences Start	4 licences PRO	8 licences PRO
Dimensions (form factor)	Rack mount-1U	Rack mount-1U	Rack mount-1U
Web Access	●	●	●
Storage (space on disk)	1 TB RAID 1	1TB RAID1	1 TB RAID1
Maximal No. of cameras per server	16 (IP)	64 (IP)	64 (IP)
Multi-camera playback	●	●	●
Motion-based and event-based recording	●	●	●
Support for Mobile Applications	●	●	●
Map functionality	○	●	●
Bookmarking	○	●	●
Stereo audio	○	●	●
PTZ camera control and presets	●	●	●
Motion and alarm indication	●	●	●



ANTI-INTRUSION

SECURITY



Security



Alarms

Integration and security

Symphony is extremely modular and allows to integrate different systems, while managing and controlling everything from a single user interface, which is customizable according to the specific type of user. The introduction of technologies such as RFID, environmental sensors, remote video surveillance and simplified interfaces to interact with the surrounding environment or for communication purposes, can provide assistance also to elderly and disabled people.

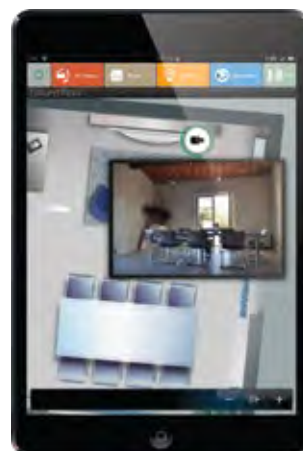
Security module (Art. SA-SVR-AA)

The Security module in the Symphony supervisor natively interfaces with all anti-intrusion systems compatible with the KNX standard. It also integrates through Ethernet interfaces with some of the major anti-intrusion systems (Ksenia, Tecnoalarm, etc.), so to ensure supervision and full control, which includes video surveillance, technical monitoring and comfort living.

The Security module makes it possible to manage the activations and the exclusions, and allows a real-time monitoring of the status of individual sensors. For example, a "leaving home" scenario can be defined, which automatically enables the anti-intrusion system, switches off all the lights, starts the CCTV recording, regulates the climate and redirect the doorbell video to the answering machine.

CONTROL

The first step to improve safety and security consists of one tool that allows to interact, anywhere and anytime, with all the functions of the system. Symphony implements this tool, and turns each user device into a control platform, using any communication channel available.



Already integrated anti-intrusion systems:



SECURITY

PRODUCTS

NXvision

Art. SA-NXV

NXvision



DESCRIPTION

NXvision NVR CCTV Server. There are six versions available (Base 4-8, Base 4-16, Rack 4-16, Rack 4-16 Raid, Advanced 4-64 e Advanced 8-64) and one extension

METRICS/MOUNTING:

- (HxWxD) 166 x 199 x 223 mm
- AC input voltage: 100V - 240V AC
 - Supported Clients: Windows 7 and 10, Mac OS X® 10.11 and higher

Art.	Description
SA-NXV-Base4-8	NXvision Base 4-8 NVR CCTV Server, compact edition, up to 8 cameras IP (including 4 licences Start), web access, no recording function.
SA-NXV-Base4-16	NXvision Base 4-16 NVR CCTV Server, compact edition, up to 16 cameras IP (including 4 licences Start), web access, 1TB disk space, NO RAID..
SA-NXV-Rack4-16	NXvision Rack 4-16 NVR CCTV Server, 1U rack, up to 16 cameras IP (including 4 licences Start), web access, 1TB disk space, NO RAID.
SA-NXV-Rack4-16-RAID	NXvision Rack 4-16 Raid NVR CCTV Server, 1U rack, up to 16 cameras IP (including 4 licences Start), web access, RAID 1
SA-NXV-Adv4-64	NXvision Advanced 4-64 NVR CCTV Server, 1U rack, up to 64 cameras IP (including 4 licences pro), web access, 1TB disk space, RAID 1
SA-NXV-Adv8-64	NXvision Advanced 8-64 NVR CCTV Server, 1U rack, up to 16 cameras IP (including 8 licences pro), web access, 1TB disk space, RAID 1.
SA-NXV-Sto	NXvision Expansion storage for CCTV systems, 1TB. The system SA-NXV is necessary.

NXvision Client

Art. SA-NXV-CL

NXvision Client



DESCRIPTION

NXvision CCTV compact Client for accessing and managing NXvision Network Video Recorders, supports up to 64 cameras. There is available the version with integrated monitor and an accessory control kit.

METRICS/MOUNTING:

- (HxWxD) 51 x 115 x 111 mm
- Hardware monitoring system: VESA
 - Acceptable input voltage: 12-19 VDC
 - Pre-installed operating system: Windows® 10, 64-bit

Art.	Description
SA-NXV-CTRL	NXvision Control Kit for client CCTV.
SA-NXV-TOUCH	NXvision Monitor Touch. Version of NXvision Client equipped with monitor touch screen 17". CCTV client is necessary.

SECURITY

PRODUCTS

Software Modules

Art.	Name	Description
SA-NXV-LICStart	Licence Start	Additional Licence Start for a camera.
SA-NXV-LICPro	Licence Pro	Additional Licence Pro for a camera.
SA-NXV-Upg	NXvision Upgrade	Licence update from Start to Pro for a camera.
SA-NXV-AV	NXvision Module VoD	NXvision Visualization Module of IP cameras of the system CCTV on A/V clients. It is necessary to have Video on Demand system installed on the Symphony Supervisor.

Cameras

Description	Manufacturers
IP and analogue cameras for indoor and outdoor installation with different technical features according to specific needs.	Axis, Dahua, TVT, Panasonic, Hikvision, Avigilon, ecc.



VOICE AND VIDEO COMMUNICATIONS
FROM IP TELEPHONY TO
THE VIDEO CONFERENCE

COMMUNICATIONS

Our philosophy behind the system

Smart Communication

Managing communication has never been easier: **Symphony** integrates a real VoIP switchboard, providing the owner and guests with a set of simple yet powerful functions for the efficient management of voice, video and data communications.

Thanks to the compliance with broadly accepted technology standards (e.g. SIP-v2), Symphony supports a wide variety of terminals to meet both aesthetic and functional requirements. Traditional and latest state-of-the-art phones are available: VoIP, Wi-Fi and portable DECT phones, video phones and video conferencing terminals for business meetings.

Moreover, Symphony offers a new approach to video entry phones: a video entry phone becomes an integrated communication device, with the ability to pick up calls from fixed telephones, or directly a dedicated App on your tablet/smartphone.

In professional setups Symphony provides a valuable support to the day-by-day work, with services designed for intercom communication, broadcast announcements and advanced telephone services. It allows to manage in a transparent way multiple external communication channels, such as GSM, UMTS, Satellite, VoIP and traditional PSTN/ISDN connections. All of this in order to provide the professional user with the best solution for their needs.

Finally, thanks to the VoIP technology it is possible to make the most of the capacities and flexibility of digital transport infrastructures on wired and Wi-Fi networks, thus ensuring a greater simplicity during the installation phase and more effective distribution of the communication service. Ultimately, this allows a complete and comprehensive coverage in both internal and external areas, including those are difficult to reach.

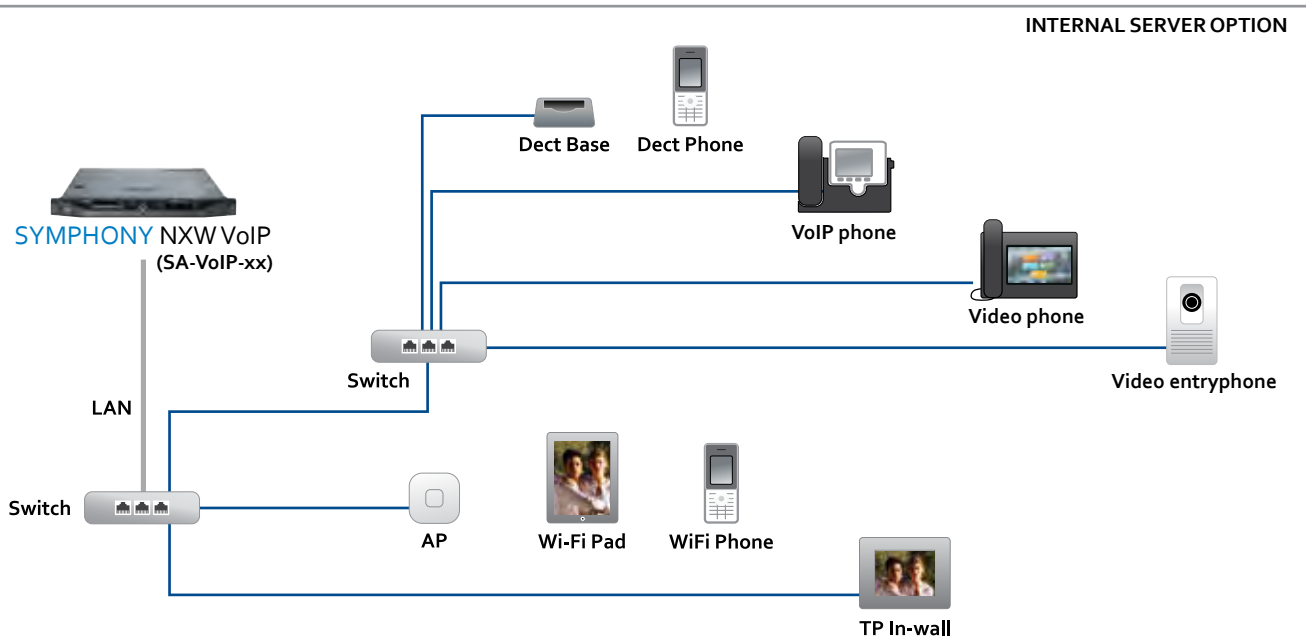
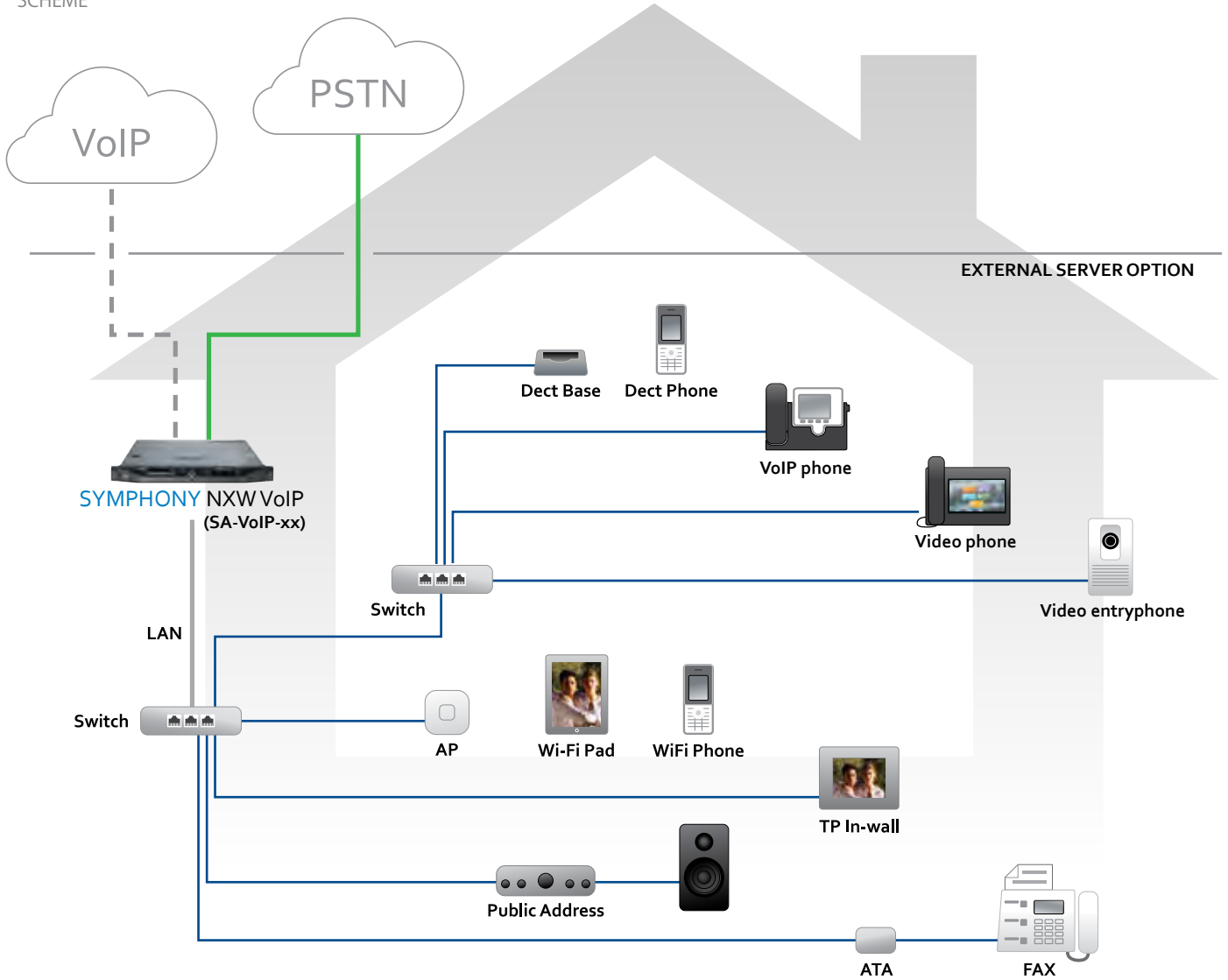
SOME FEATURES:

- VoIP technology
- Video communication and video conferencing.
- Mobile, Wi-Fi and DECT.
- Access policy to external channels and services.
- Interactive Voice Response, virtual receptionist.
- Simplified Web Configuration.
- Accounting
- Intercom and Paging System



COMMUNICATIONS

SCHEME



SERVER CHOICE COMPARATIVE CHART

COMMUNICATION

Specifications



SA-VoIP-Base

SA-VoIP-25

SA-VoIP-25R

SA-VoIP-50R

Web configuration Interface	●	●	●	●
No. Supported extensions	10	25	25	50
Maximum Channel number (analogue or ISDN)	2	4	4	8
IVR	○	Optional	●	●
Voicemail expansion	○	○	●	●
Video call expansion	○	○	●	●
CDR (Call Detail Record)	○	●	●	●
Call Park	●	●	●	●

● Disponibile

○ Non disponibile

SYMPHONY INTERCOM MODULE [SA-SVR-VO]

Through the Intercom module (SA-SVR-VO), the Symphony supervisor manages one or more IP video phones, allowing to forward calls to the internal IP phones, to mobile terminals (tablet, smartphones) or to internal touch screens. All is integrated with the building management, the lighting control, the record activation on CCTV system, the climate regulation.

FUNCTIONS WITH ADDED VALUE

The perfect integration of the systems within Symphony allows the complete management of the technologies, even without the use of touch interfaces: e.g. delivering notifications over the phone, viva-voice.

In particular, through the VoIP phones it is possible:

- manage lighting
- manage climate
- manage the actuators (shutters, curtains, blinds etc.)
- enable/disable the security programs
- receive information from sensors about anti-intrusion events and motion detection
- check the Audio/Video on Demand system (detection, content search)

IP VIDEO ENTRY PHONES

COMMUNICATIONS



Advantages

The IP video entry phones system has many advantages with respect to traditional technologies. The key point is the virtual compatibility with all the devices connected to the LAN network and to the Internet. Through Symphony the video entry phone will be connected not only to the telephony system, but also to the video surveillance system, to the home automation system, to the Audio/ Video system and to the security system.

This technology allows to:

- Answering the video entry system with your smartphone or with iPads, both inside (thanks to the Wi-Fi network) and remotely (through the redirection to the telephone network).
- Ability to alert the guest about the vacation, with a pre-recorded message
- Ability to encourage the guest to leave a message in case of absence.
- Ability to open doors and gates with the multi-tech readers integrated in the external video entry terminals.
- Ability to answer the entry call from any VoIP terminal.
- Possibility to set flexible call answering services; e.g. ring all, hunting group, paging etc.



COMMUNICATIONS

PRODUCTS

Symphony Communications

Art. SA-VoIP

NXW VoIP



DESCRIPTION
VoIP switchboard 4 versions and 2 expansions are available.

METRICS/MOUNTING:
(HxWxD) 51 x 115 x 111 mm

- Hardware monitoring system: VESA
- Acceptable input voltage: 12-19 VDC
- Pre-installed operating system: Windows® 10, 64-bit

Art.	Description
SA-VoIP- Base	NXW Voip Base VoIP switchboard, compact edition, up to 10 internal and 2 PSTN channels, Web configuration Interface, expandable.
SA-VoIP-25	NXW Voip Base-25 VoIP switchboard, compact edition, up to 25 internal and 4 analogue channels, Web configuration Interface, expandable
SA-VoIP-25R	NXW Voip Rack VoIP switchboard, rack mounting, up to 25 internal and 4 analogue channels, Web configuration Interface, expandable
SA-VoIP-50R	NXW Voip Rack-50 VoIP switchboard, high performance rack mounting, up to 50 internal and 8 analogue channels, Web configuration Interface, Voicemail, expandable
SA-VoIP-2EXP	Expansion NXW VoIP for 2 additional analogue
SA-VoIP-4EXP	Expansion NXW VoIP for 4 additional analogue channels

For the VoIP switchboards. If the supervisor is also required, consider the codes on page 20.
If the supervisor used does not provide external lines, however it is possible to activate them using NXW-BRI gateway specified below.

Symphony Communications – Software Modules

Art.	Name	Description
SA-VoIP-VM	Voice Mail Module	VoIP switchboard module for Voice Mail expansion.
SA-VoIP-FAX	Fax Module	VoIP switchboard module for Fax over Ethernet expansion
SA-VoIP-VIDEO	Video call Module	VoIP switchboard module for Voice Mail expansion.
SA-VoIP-MOB	License for mobile devices	License up to 5 mobile SIP VoIP terminals (smartphone/tablet) for VoIP PBXs

Gateway

Art.	Name	Description
SA-VoIP-BRI	NXW-BRI	Telephone network interfacing device with VoIP system.
SA-VoIP-ATA	NXW-ATA	Device for interfacing analogue devices on a VoIP network.

COMMUNICATIONS

PRODUCTS

Symphony Communications - IP phones

Description	Manufacturers
-------------	---------------

IP and analogue phones, available in different models, wired and cordless, and equipped with different technologies, such as the touch screen.

Grandstream, Panasonic, Cisco, Incom, ecc.

Symphony Communications - IP video entry phones

Description	Manufacturers
-------------	---------------

IP video entry phones, integrated with the Symphony system, available with different features according to specific demands.

2N, ecc.



NETWORK
TO THE ROOTS OF INTEGRATION

NETWORK

When network management becomes smart

Control and customize the access configuration of your corporate or home network with NXgate.

It is not a firewall; it supports and complements existing firewalls, guaranteeing safety and control to the devices and users of the network.

Smart interface

A simple web interface allows you to manage the system, without the need for specific technical or software installation skills. Everything can be viewed and configured via PC, tablet or smartphone.



NXgate

Users Management and Control

- Alarms
- Parental Control
- Authorizations
- App blocking (eg. Facebook, Youtube, etc.)
- Band control

Possibility to define various categories of users, assigning to each category specific authorization profiles. In particular, it is possible to limit bandwidth or network access depending on the category of users, and/or restrict access to certain services or applications (e.g. Facebook, Youtube, etc.).

Report & Monitoring

Information available in real-time via extremely user-friendly web reports, focusing on both the entire network and the traffic details generated by individual users (e.g. services used and time spent).

At home, at the office or on board, you can manage your network in total safety and peace of mind.

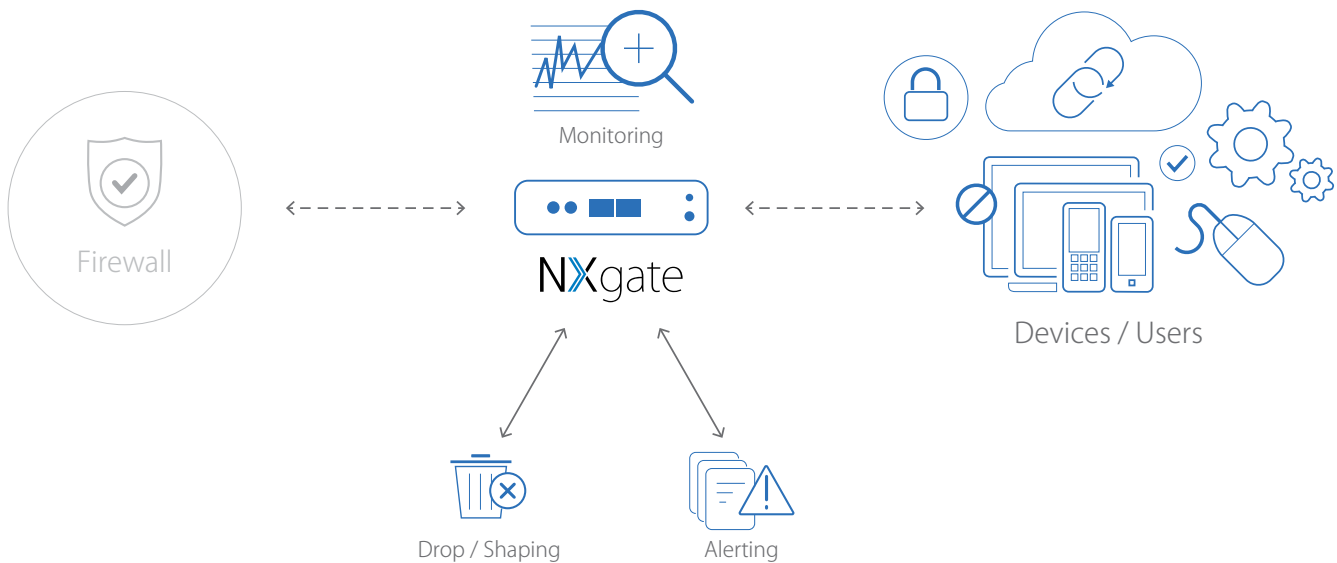


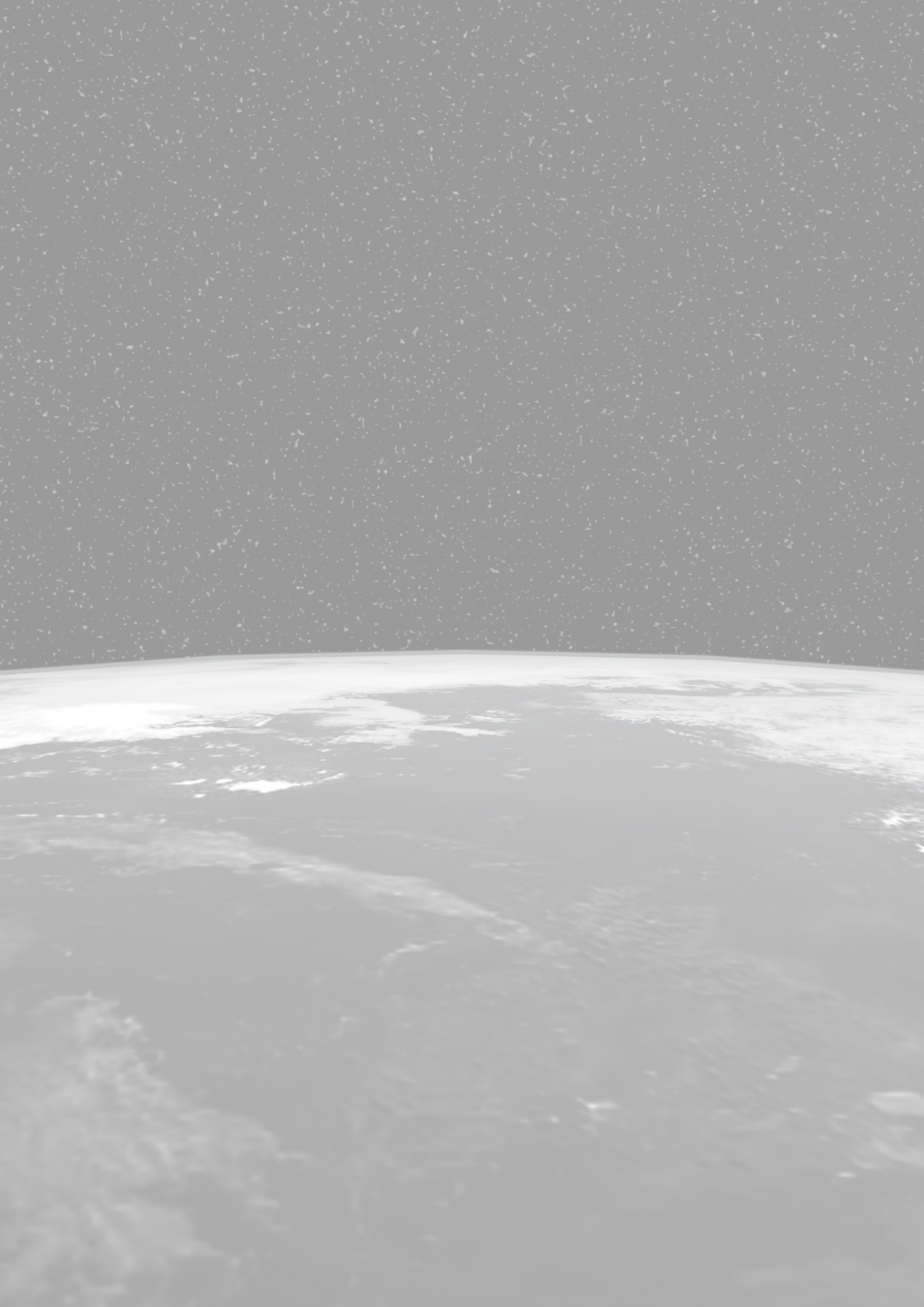
NETWORK

PRODUCTS

Networking

Art.	Name	Description
SA-NET-GATE-2	NXgate-2	NXgate network manager 2 ports . Simple and user-friendly management and control through web browser.
SA-NET-GATE-4	NXgate-4	NXgate network manager 4 ports . Simple and user-friendly management and control through web browser.
SA-NET-GATE-8	NXgate-8	NXgate network manager 8 ports . Simple and user-friendly management and control through web browser.
SA-NET-WLAN	WLAN Controller Cloud	WLAN Controller Cloud. It manages networks of dozens of Access Points from any place in the world, allowing to replace the use of dedicated computers. Power supply PoE 48V 802.3af or micro USB 5V.
SA-WLAN	WLAN Controller	Nextworks WLAN Controller. It allows the management of wireless networks through a comprehensive and intuitive software. Possibility to manage multiple wireless networks. Configuration via web interface. Can be used with Aps SA-NET-Apx
SA-NET-APO	Outdoor Wi-Fi Access Point	Outdoor Wi-Fi Access Point. IEEE 802.11bgn MIMO technology, wall/ceiling mount, PoE. Needs of the SA-WLAN controller.
SA-NET-API	Indoor Wi-Fi Access Point	Indoor Wi-Fi Access Point. IEEE 802.11bgn MIMO technology, wall/ceiling mount, PoE. Needs of the SA-WLAN controller.





MONITORING MONITORING AND REMOTE CONTROL

MONITORING

Monitoring and remote control

Monitoring and Automation

Several systems often coexist in an installation (automation, intrusion detection, access control, etc.), which are not able to exchange data and allow the implementation of control policies from a single user interface.

Symphony connects to each of these systems thanks to the adoption of standard communication protocols, so to provide the users with radically innovative management and control. The functions offered by Symphony are accessible from any enabled user devices, including control dashboards on desktops, laptops and handheld devices (tablets and smartphones).

It is also possible to view the status of the systems on dedicated workstations, such as large screens and digital signage displays.



SOME FEATURES OF THE SYSTEM ARE:

- Control of alarms and automation functions through dedicated panels;
- Monitoring of field sensors (anti-intrusion, access control, etc.);
- Panels for presenting information with completely customizable layouts;
- Monitoring of the production and consumption of electricity.



ATHMOS: remote control

All the integrated control functions offered by **Symphony** can also be accessed remotely via a secure and reliable connection.

The Athmos application (available on smartphones, tablets and desktops/laptops) allows to interact remotely with your system; e.g. control the status of all the facility areas, view the cameras outputs, activate scenarios, etc.

The Athmos solution is convenient for both the end users, who want to control and manage their system remotely, and for the maintenance staff, who can monitor multiple installations via a single interface.

Thanks to extremely flexible login policies, the technical staff can access the cloud service to address system failures or for a periodic check. This makes the remote maintenance and diagnostics much simpler, and allows a quick and effective intervention.

MONITORING PRODUCTS

Art. SA-SVR-00



DESCRIPTION

The Symphony Automation Supervisor, manages up to 350 objects. Multi-Protocol. It is ideal for multi-site monitoring solutions. Custom software application is required, it can be purchased separately.

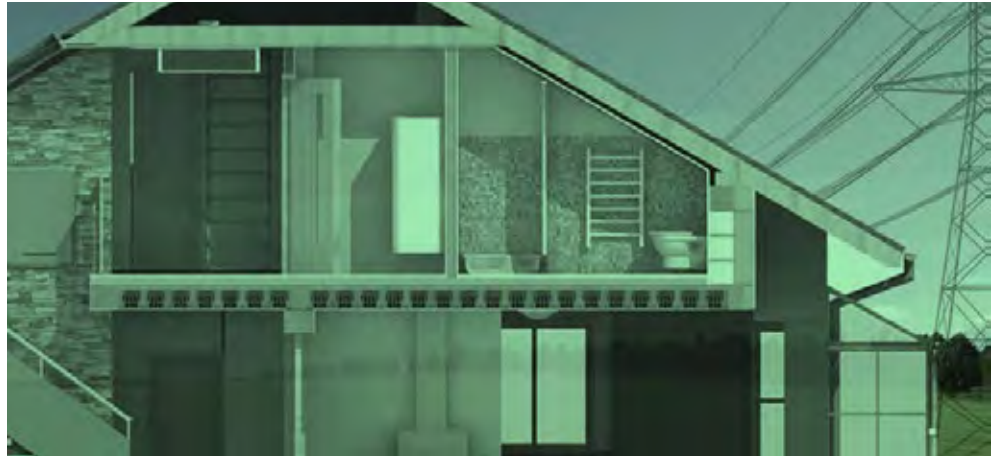
METRICS/MOUNTING:

- (HxWxD) 51 x 115 x 111 mm
- Hardware monitoring system: VESA
- Acceptable input voltage: 12-19 VDC
- Pre-installed operating system: Windows® 10, 64-bit

MONITORING OF INDOOR ENVIRONMENTAL PARAMETERS

MONITORING AND REMOTE CONTROL

Nuvap®



Symphony integrates with Nuvap, the first IoT solution for the continuous monitoring of 26 environmental parameters and the healthiness of work, study, care and leisure areas.

Each device has a coverage of about 80 square meters. The backup battery has an autonomy of 3 hours and the internal memory can store up to 60 days of measurements.

Symphony accesses the Nuvap device information via cloud, and imports a list of sensors into the supervisor. This allows to select the relevant sensors and manage them on the Symphony platform: the related parameters are displayed on the App, rules can be created and thresholds can be set (an notification message can be sent when these are exceeded).

In addition, sensor information can be used to historicize and create graphical dashboards using the potential of Grafana (see information on Grafana on page 18).





SECURITY AND AUTOMATION

PASSY CONTROLLER

Security and automation



PasSy is a user-friendly and complete solution that manages access control (such as doors, turnstiles and other gates) through smartphones or badges, either locally or remotely.

It is useful to control access services that require virtual identification of the user, such as the check-in/out from rooms or working areas and to control other systems in the building, such as light and HVACs.

PasSy means improved efficiency and productivity of the resources and full control of the environment.

The PasSy solution consists of:

- Control Device
- Web portal
- App

Control device

(art. HBA-0333)

PasSy controller is the core device, capable of managing local devices and sensors, so to develop several innovative scenarios based on centralized policies defined with cloud services.

The device has various standard interfaces (such as Wiegand, UART, I2C), which allow it to interact with several systems, and it is able to control several devices thanks to its multiple input and output contacts. Furthermore, it supports natively Simons Voss wireless locks and solutions.



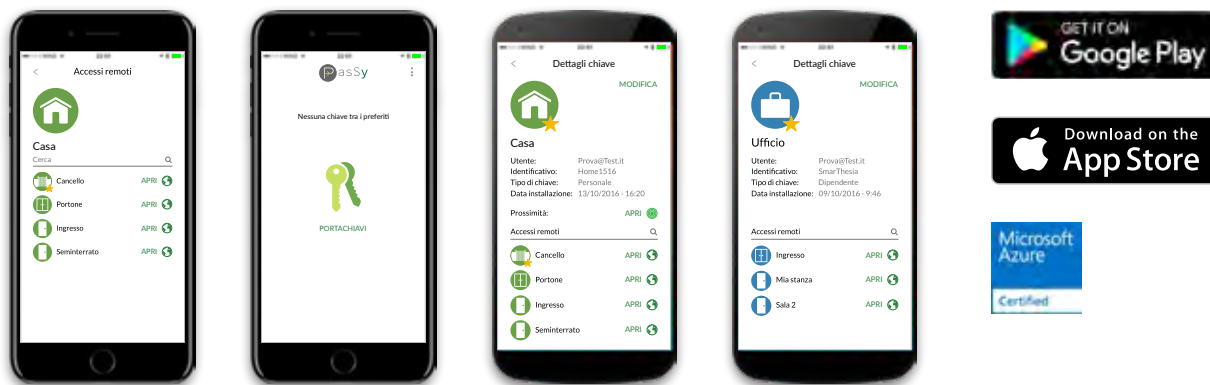
Web portal (www.passy.it)

An intuitive website, available on the Cloud and accessible from anywhere, to create a virtual key and badge in few simple steps.

It is possible to define different account profiles and commands, depending on the type of authorizations planned.



PASSY CONTROLLER



The PasSy App

The PasSy App allows you to easily carry out access control through smartphones or secure tokens, which become your virtual keys.

You can grant rights to your smartphone through the Web Portal, and use it to open doors or other gates connected to electromechanical or wireless locks, readers based on any technology, keyboards, etc. Management through the PasSy App is a perfect solution, both locally and remotely, for hotels, B&B, holiday homes, convention centres, gyms, private residences, offices.

The integration with adequate presence sensors enables the notification of anomalous events, such as alarms, break-in attempts and any other unauthorized access.

The portal allows a continuous real-time monitoring of the facility accesses events, modification of the policies, authorization management, history and event logs visualization, management of connected equipment and physical badges.

It works with Windows Phone devices (Windows Mobile 10+), iPhone (iOS 10+), Android 5+ smartphones..



PasSy Enterprise

PasSy enterprise is the solution for big companies or institutions, in need for a complete personalization and integration of the management while keeping their own brand. Being developed with a cloud-based architecture and according to the most advanced technologies, PasSy has RESTful API libraries that allow a complete integration, extensibility, and possibility of creating customized solutions.

The **App PasSy Enterprise** is designed for companies and for their employees and visitors. It includes the integrated management of access control of barriers, such as turnstiles, car parks, meeting rooms, restricted areas and other gates. It can be used in any environment by means of mobile devices or secure tokens (badges), ensuring fast response times even in the event of a high number of concurrent users.

The App is enabled in both local and remote access management, and can be easily integrated with other existing company access control systems.

PASSY CONTROLLER

USE CASES

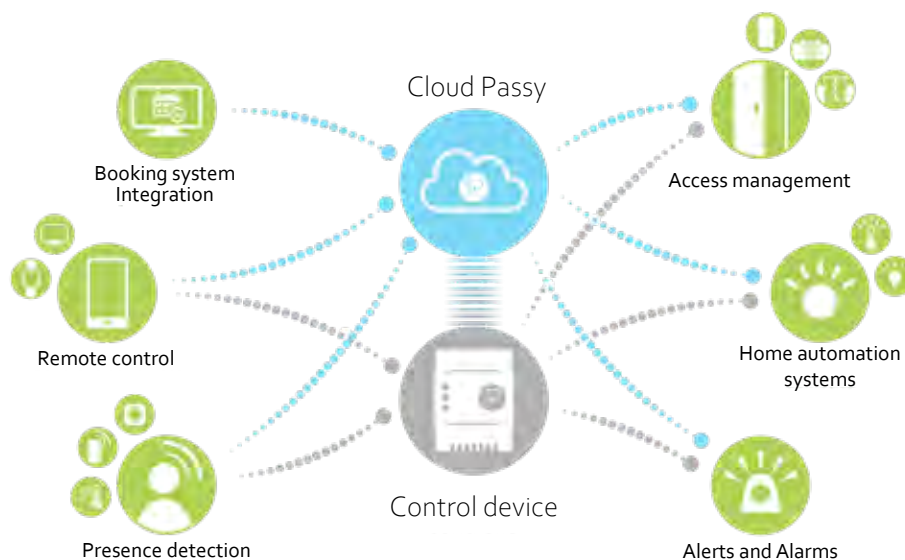
Tourist accommodations

With PasSY it is easy to manage tourist accommodations and control access. In the case of an unattended B & B, for example, by generating a PIN code for each guest at the time of booking and connecting a simple keypad to the PasSy controller, you can assign permits and time frames according to a purchased reservation.

The access to the room can be done through the App with the electric lock or the system-integrated Simons Voss lock.

A reader of any technology can also be associated with PasSY to control access to the facility or rooms. In addition, by integrating a card holder, you can activate loads in the room (lights, TV, etc.), check the temperature and also interface any alarm associated with the bathroom pull cord switch. In a simple and quick way and with an extremely user-friendly interface, either locally or remotely, it is possible to carry out the standard management of an accommodation facility.

And if a hotel has more demanding automation requirements to ensure maximum comfort for its customers, PasSY features a full integration with SYMPHONY, thus providing customized solutions for security, comfort, energy saving and simplicity in use.



PASSY CONTROLLER

USE CASES

Houses

Opening the home gates, turning on the outdoor lamplights, activating or deactivating the intrusion alarm, or remotely unlocking gates to let in a supplier: that's easy with PasSy smartphone app.

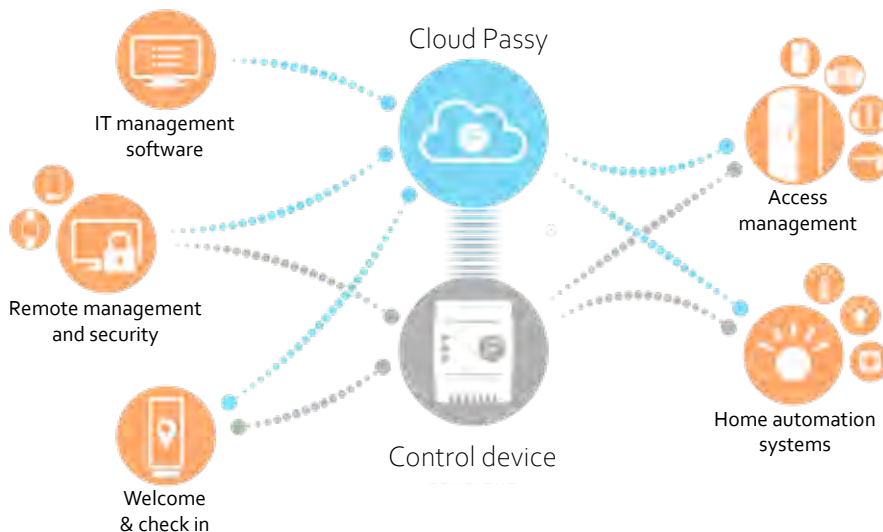


USE CASES

Commercial/Offices

By connecting a badge reader to PasSy, it is possible to manage and control access to office and business area. By using either a simple electric-strike lock or a Simons Voss cylinder, you can open any offices, differentiate users, schedule times frames, etc. Outdoor parking lots and other accesses to the offices are also easily managed. It is also practical in managing visitors, by easily setting everything from a remote position and supplying access credentials in a simple and quick way.

PasSy Enterprise is the solution when you need the highest level of integration and personalization (e.g. for big enterprises, municipalities etc).



SYMPHONY
APPLICATION EXAMPLES

VILLA / RESIDENTIAL

APPLICATION EXAMPLES



- Comfort Living
- Entertainment
- Digital Signage
- Security
- Communications
- Network
- Monitoring
- SEM
- PasSy

Symphony is the ideal platform for the control and management of apartments or villas. In fact, it allows to integrate the main open automation buses (KNX, Modbus, Bacnet, etc.), some of the most important automation brands (Lutron, H / Easy, Crestron, etc.), and HVAC systems (Mitsubishi, Daikin, etc.). Furthermore, it can control and manage over 2,000 security camera models and interface with various anti-intrusion (Tecnolarm, Dsc, Ksenia, El.mo, Inim, etc.) and video door entry systems. Finally, it can manage multimedia libraries, thus allowing the rapid creation of global scenarios that can be recalled from buttons, phones, smartphones and tablets.

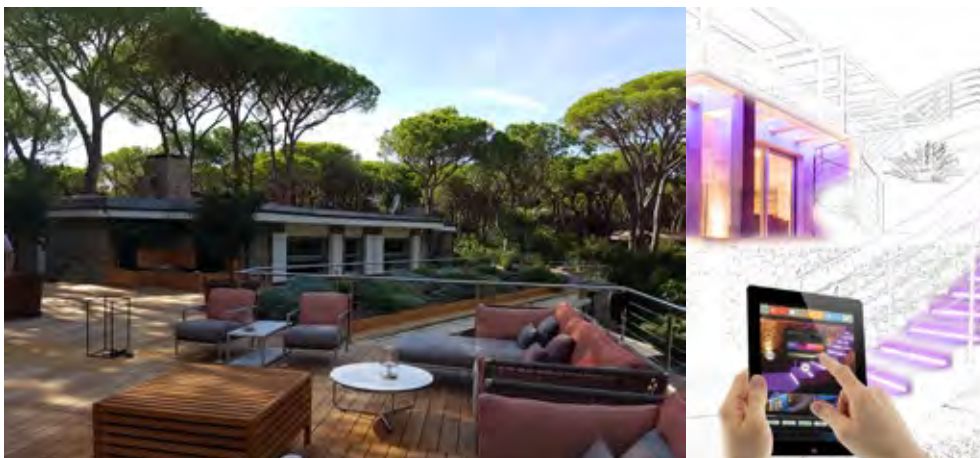
Each Symphony installation is entirely customizable, giving the possibility to have management Apps designed to make the environmental control intuitive and immediate.

With Symphony you can create various user profiles, each with their own commands, views and multimedia and multilingual content.

You can control the various TV sets by choosing what to see on which device, where to hear the audio, turn down or turn up the volume, or create a party function with a simple click, maybe listening to your favourite song underwater, in the pool, or directly from the lawn (invisible audio system).

It is possible to create presence emulation that, starting from a pre-alarm of the perimeter system, can simulate lighting, TV sets, switching channels, switching off, and any other behaviour that can discourage potential intruders. Meanwhile, emails and reports are sent to the recipients configured.






And what if you are away from home? No problem: with Symphony, you can manage everything remotely, via straightforward cloud services.



ASSISTED LIVING

APPLICATION EXAMPLES



-  Comfort Living
-  Entertainment
-  Digital Signage
-  Security
-  Communications
-  Network
-  Monitoring
-  SEM
-  PasSy

Symphony integrates different technological solutions to facilitate an independent life-style for everybody, especially those with impairments or disabilities.

Depending on the specific disability, a fully customized solution is designed, including dedicated user-based interfaces.

In case of a visually impaired person, there are special solutions to allow them to gain more autonomy: the alarm system can be designed to be in a constant pre-alarm state; so, even when there are people in the house, if the opening sensors or motion sensors placed near doors and windows pick up some anomaly, they emit a warning sound and inform the owner.

A standard App for the family or their guests can be provided to use the system. The main user can have a customized solution, such as a preset of number codes saved on the phone, which activate vocal messages informing about the ongoing of each system in any area and allow to modify their status.










The grouping of some activations and some automated functions in typical scenarios, selected with the help of the user, allows to have the desired configuration of the environment in a easy way and with a few actions.

Integrated technical solutions and a fully customized user interface make Symphony valuable for the improvement of the overall quality of life.

CONFERENCE ROOM / CONGRESS CENTRE

APPLICATION EXAMPLES



-  Comfort Living
-  Entertainment
-  Digital Signage
-  Security
-  Communications
-  Network
-  Monitoring
-  SEM
-  PasSy

Symphony also manages the supervision of environments with strong interactions between the audio/video equipment technical control and the interactive communication technologies.

In our view, the conference room control must be as simple as possible, in order to be operated by non-specialized staff.

Therefore, the result will be a system with different access levels:

- customized tablet interfaces for plant control by the user
- dedicated web-based interfaces for professional plant control.

Integration with other plants

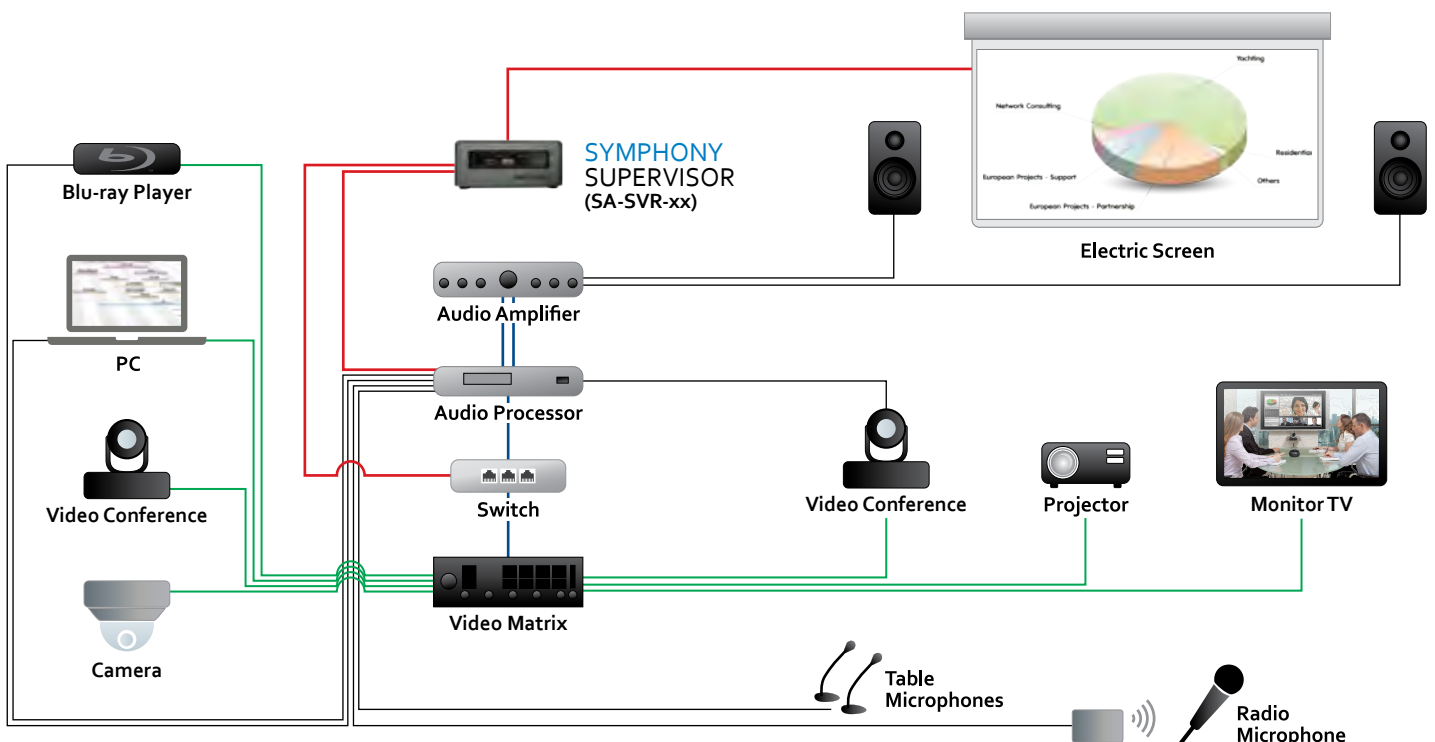
The audio/video system is perfectly integrated with all the other technical systems. In this way, the management of complex scenarios becomes possible, such as the following:

- Curtains control
- Lighting control
- Climate control
- Alarm integration
- CCTV monitoring

Symphony

Symphony can be used to control:

- Auditoriums
- Conference rooms
- Directional centres and meeting rooms
- Educational rooms
- Videoconferencing rooms



MUSEUMS

APPLICATION EXAMPLES



- Comfort Living
- Entertainment
- Digital Signage
- Security
- Communications
- Network
- Monitoring
- SEM
- PasSy

Home automation and ambient intelligence in museums

The museum is no longer a passive space to display the artworks, but a place where these can live and communicate with the audience.

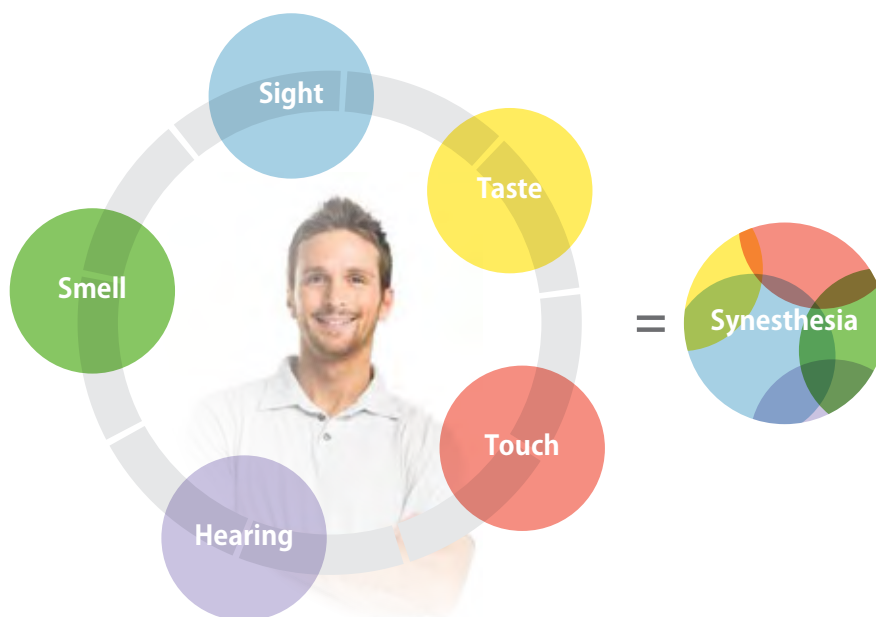
The perception of the visitor who enters a museum is amplified by the dynamic interaction of:

- Exposed artworks or installations
- Architectural space
- Interpretation of the visitors' subjectivity (their "presence", their preferences, etc.)
- Multisensorial home automation scenarios (lighting, acoustics, olfactory, visual and gustatory, sensorial direction, etc.)
- Infotainment (virtual guides, info, notifications, fun-educational activities related to the ongoing exhibitions)
- Unconventional marketing (emotional, experiential, relational).

Ambient Intelligence

Environment control technologies offer the visitors of the museum a unique experience.

The museum areas are equipped with undetectable technologies that can manage the environment scenarios, working on lights (colour and intensity), fragrances, sounds and images, thus taking the visitor to a total synesthetic involvement.



RETAIL

APPLICATION EXAMPLES



- Comfort Living
- Entertainment
- Digital Signage
- Security
- Communications
- Network
- Monitoring
- SEM
- PasSy

Creating both comfortable and technical places and turning spaces into a sensorial and emotional experience has become strategically important in many retail sectors. All of this is made real by creating personalized lighting-based scenarios and using presence sensors around the area, which enables special light effects when people pass by. They come along with time-based and presence-based scenarios.

And it is not only about light and music scenarios, but also guest detection according to age and gender, thus allowing market and statistics research for retail store purposes. Need an example? In case of female guests, videowalls will project dedicated items (bags, shoes, accessories) and combine them with light and music scenarios, and selected fragrances spread in the environment.

A “no queues” system can be integrated, so to manage situations with higher flows of customers (such as at a particular cash register), by sending a message that suggests a pre-set option, in order to avoid long waits.

A set of integrated solutions in one platform: this is Symphony.



HOTEL / HOSPITALITY

APPLICATION EXAMPLES



- Comfort Living
- Entertainment
- Digital Signage
- Security
- Communications
- Network
- Monitoring
- SEM
- PasSy

In case of a tourist accommodation, a perfect solution can be Symphony integrated with PasSy (e.g. hotel, hotel chains) or even PasSy alone (e.g. B&B, apartments).

B&B/Apartments

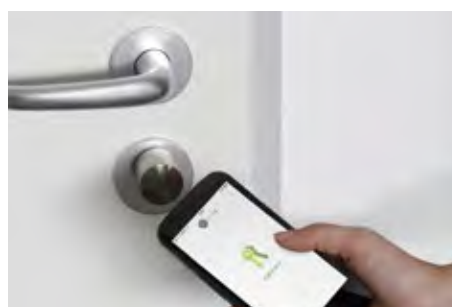
In case of smaller or unmanned tourist accommodations, PasSy makes it easier to manage your property. Starting from access control, the authorized users can access using their smartphones, a badge or a PIN code.

The reception can become fully "digital": you can access all the management features from your PC, smartphone or tablet, wherever you are.

From the reception it will be possible to monitor remotely:

- the access of guests to the rooms
- their presence in the rooms, or the presence of hotel staff
- alarms or warnings from the rooms

It is also possible to perform energy efficiency with cost optimization: the system will automatically activate room utilities (lighting, TV, etc.) only when the guest is present, in addition to the intelligent air-conditioning management (automatic activation at check-ins and when the customer is in the room, automatic shutdown or standby when the customer is out or at the check-out).



HOTEL / HOSPITALITY

APPLICATION EXAMPLES



Hotel / Hotel chains

Symphony integrates a wide range of highly technological products, designed for comfort, safety and control of the tourist accommodations.

The hotel package includes a fully customized supervision system to provide end users with all the necessary functionalities for room and guest management.

The main features of the hotel system include the key functions for hospitality:

- Access control and room automation
- Lighting management, access and infotainment in public areas
- Audio/video management in the whole facility
- Paid services management (bar, restaurant, etc.)
- Telephony
- Climate control

All of this is done in a transparent and straightforward manner for the user; with just a card or a smartphone, they can move freely all throughout the property and browse all the services.

Therefore, with a single interface, it becomes simple to manage and customize the scenarios in the rooms or suites, in the SPA and wellness areas (performing, for example, lighting and music scenarios integrated with olfactory sensations), in the restaurant and in the conference rooms... up to the monitoring of any technical rooms, for a complete control of the structure.



Reception



Suite and Guest Room



MONITORING SYSTEMS

APPLICATION EXAMPLES



- Comfort Living
- Entertainment
- Digital Signage
- Security
- Communications
- Network
- Monitoring
- SEM
- PasSy

Symphony amplifies your perception and control, monitoring real-time events on the various managed plants, thus allowing to effectively control beyond energy resources (electricity and heat, natural gas, water, compressed air, etc.); i.e. any types of resource and any unit of measurement: physical and environmental quantities, performance parameters, management and economic-financial variables, alarms, breakdowns, cameras, etc. All of this with the possibility of creating virtual and aggregate counters as well.

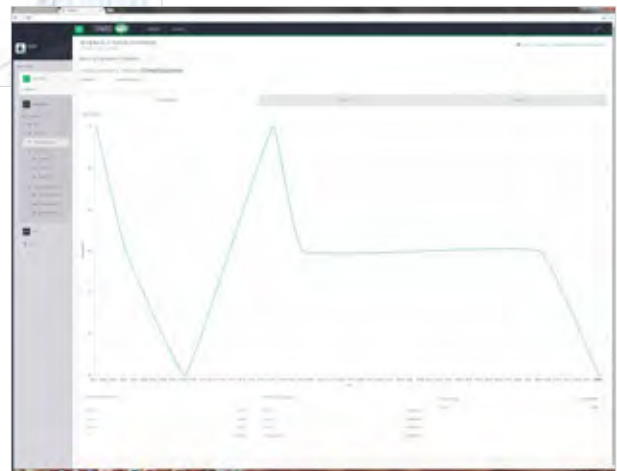
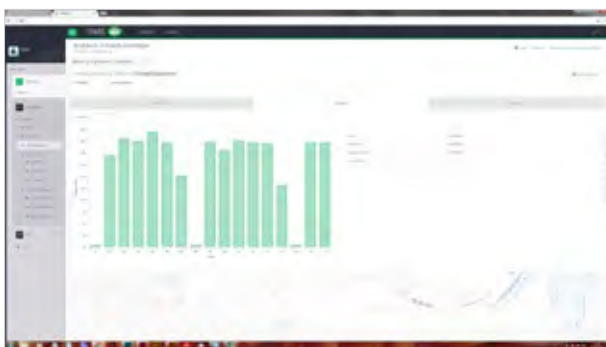
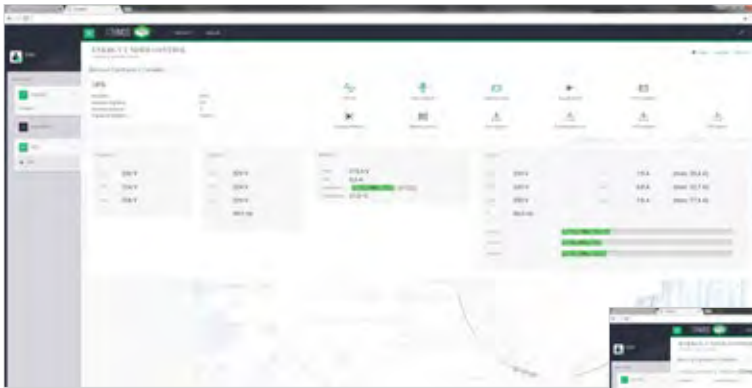
Unified management of plants based on different technologies

Over the years, plants are expanded and updated, new protocols are adopted, suppliers change; therefore, it is quite common to have a plethora of technologies installed.

The platform ability to achieve the integration of data and measurements from different plants, based on different technologies, is key for the implementation of a unified management of all the plants in the area.

Fully customized graphics

The Symphony monitoring platform allows the creation of fully customized dashboards, with configurable widgets and panels that can be associated with specific users.



CATALOGUE
symphony

SYMPHONY CATALOGUE



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