

Made in Italy

think
nx

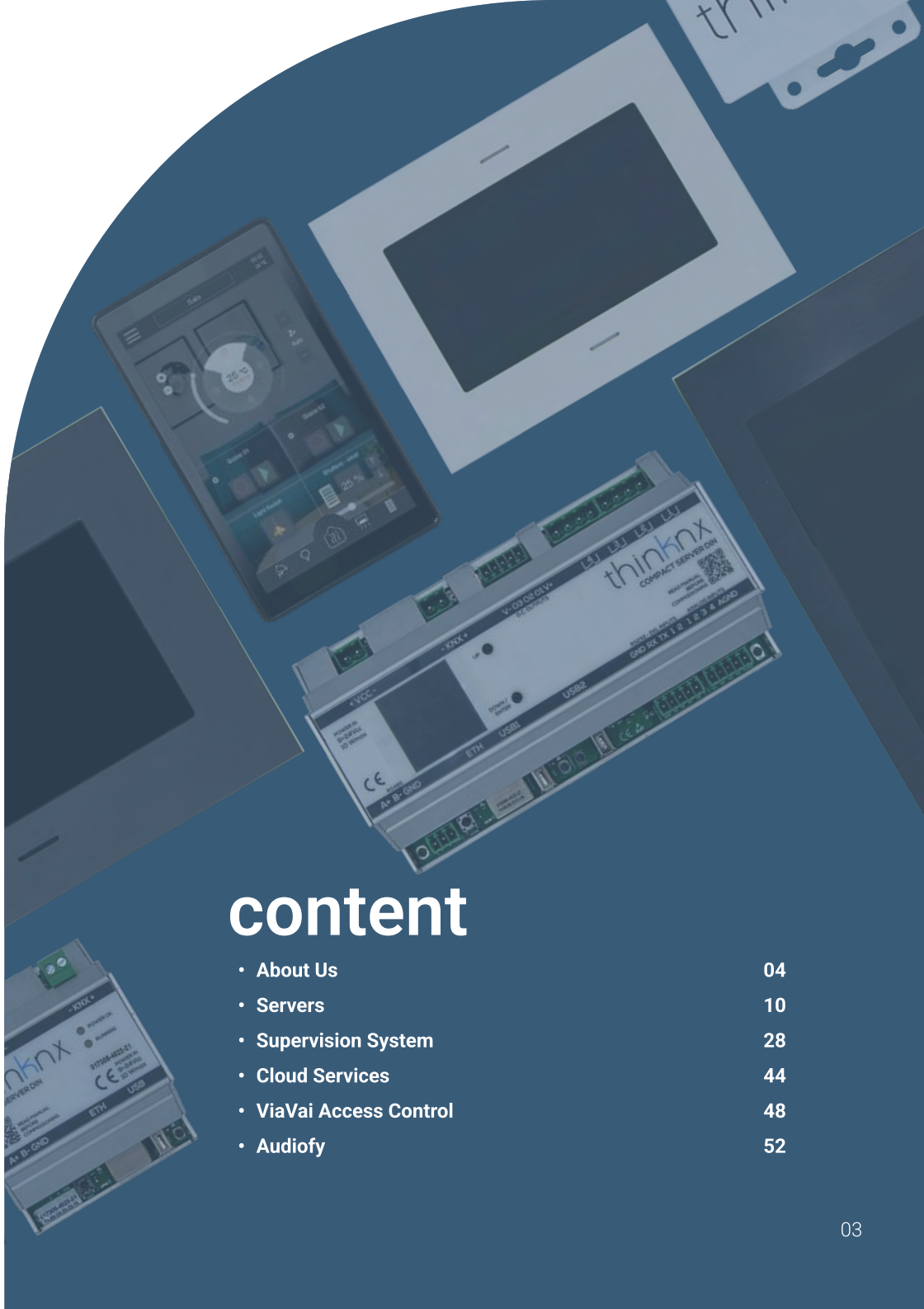


www.thinknx.com

thinknx
think automation



simplify . automate . thrive



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ThinKnx

ThinKnx is the official brand of Pulsar Engineering srl, a leading company in the field of Home & Building Automation for more than 18 years. Thanks to the skills and experience of its staff, Pulsar Engineering has led to the development of different devices accomplishing the first goal of the project: the creation of a powerful supervision system for houses, industrial and commercial buildings, named ThinKnx.

A strong passion for technology and innovation as well as constant research in the automation market has driven ThinKnx staff to improve products in order to meet the final users everyday needs such as comfort, power management, building security and energy saving. In addition, ThinKnx aims to integrate more and more building automation protocols, achieving a complete, reliable, easy-to-use and smart system. Starting from the design & development to the assembly, the entire productive procedure takes place in the headquarter in Milan by highly-qualified staff performing every step with care for the details and providing the unique Italian style.

Being a member in the KNX Association, ThinKnx has reached a global view in the evolution of this worldwide protocol, extending its solution to a great amount of devices. ThinKnx currently counts on several distributors and partners all around the world, who share the same vision for innovation and offer additional value to the products.



A complete solution

ThinKnx is the original multi-purpose supervisor for building automation. It is the perfect solution to control all the functions of the system, integrated into your smart home or building.

These functions are handled by ThinKnx through a simple, appealing, highly customizable and multi-platform interface that allows to intimately and freely interact with the system through your iPhone, iPad, Android tablets and smartphones, and even your Windows devices.

The entire ThinKnx system, combining hardware and software, is 100% made in Italy. Over twenty thousand installations in the world prove the reliability and security of the ThinKnx system.

A constant attention to the requests and suggestions of customers drives ThinKnx team to keep on working for improving products and searching for new solutions on the cutting-edge of technology, with the aim of remaining the trailblazer for supervision systems.



20,000 +
active installations



80 +
countries



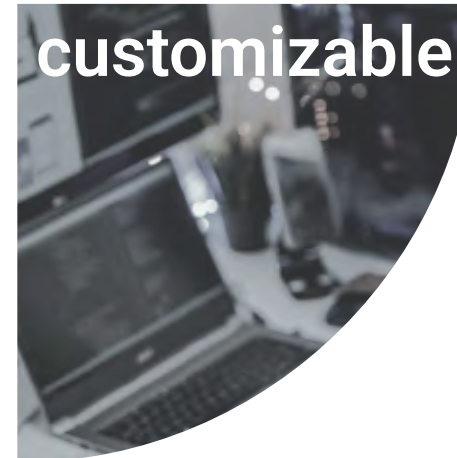
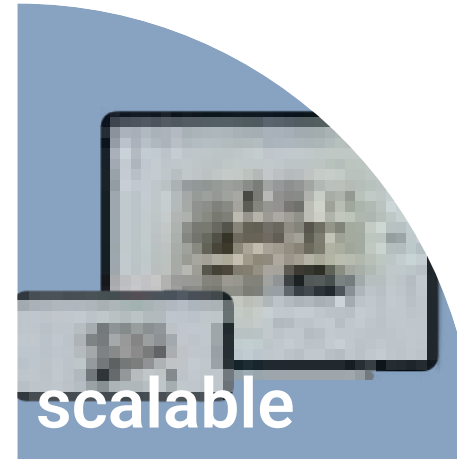
18 +
years of experience



150,000 +
daily control sessions

A Real Advantage

ThinKnx system comprehends all the parts needed to transform the building automation into a real advantage for the owner of the building itself, enhancing benefits in many areas including saving on energy costs, limiting environmental impact and improving building security and safety. It is a complete solution that also helps system integrators. Through very simple, intuitive and versatile tools, they are guided to create outstanding user interfaces easy to deploy and maintain, in order to fulfill all the customers' expectations. Our efficient and qualified technical support gives ThinKnx system an additional value.



ThinKnx guarantees flexibility and scalability of the installation so it can be adapted to all the customers' needs. It supports installations on simple plants with integrated standard systems and meets the needs of more complex buildings, allowing a huge quantity of systems to communicate to each other. Integration and interoperability are favoured by the easiness of configuration.

Both graphics and logics can be decided during the configuration phase through an easy procedure. **All the graphics that will appear in the supervision software can be decided by the user.** The supervision project can be multi user in order to give the final user the control of different views and commands of the same plants. Security is also guaranteed thanks to the use of restrictions and PIN codes.

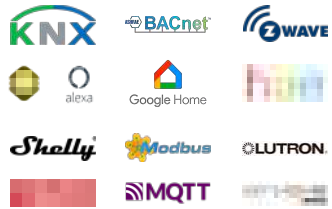
about us

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Building Automation

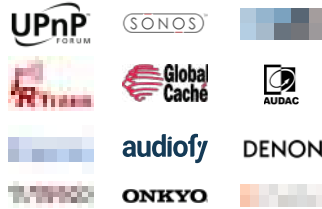
Direct connection with KNX

Bidirectional gateway and control of many technologies



Home Entertainment

Integrated control of audio/video devices and systems



Energy Management

Intelligent loads control
Direct interface with solar inverters



HVAC

Built-in fan controller & regulator feature
Compatible with Mitsubishi Electric

Temperature or modality-based schedule
Integrated with CoolMaster via network



Intercom

Integration of audio/video door stations for Windows, iPad, iPhone & Android
VoIP SIP server included
Simplified installation for devices of brands:



Security & cctv

Visualization of IP cameras with MJPEG or RTSP video flow

Integrated control of security panels



thinknx

control it all

Discover ThinkKnx Servers

ThinkKnx servers are the heart of the whole solution. All the devices are designed and optimized to manage the entire automation system, and are built for continuous operation with fanless processing. They have enough horsepower even for the most complex multiroom buildings. Linux operating system and industrial solid state memories guarantee enhanced system reliability. Further appealing characteristics are the direct KNX connection driven by proprietary stack, a very low power consumption and plenty of parts to integrate third-party devices.

ThinkKnx servers can be divided into:

Pro Line, a professional range of devices able to interact with complex systems
Trend Line, with small dimensions and limited functionalities for simpler plants.



Unlimited KNX group
Direct KNX connection
 KNXnet/IP interface/router



Plenty of ports to integrate third-party devices.



Very low power consumption



VAI2
 Access control 2 gates



Internet of Things (IoT)



Unlimited Clients



IR Transmitter



Reports until 20 MB



IP Cameras



Voice Control

pro line
 professional interaction
 with complex systems.



compact



micro



rack



envision



trend line
 compact and limited for
 simpler plants.

K2



piccolo



K

thinkknx



Micro Micro DIN

Native KNX, MICRO enables the user to control lights, blinds, thermostats and all the available functionalities of a professional automation plant. It handles any sort of scheduling and customizable scenes. It is able to elaborate complex logic and mathematical operations on the data read by KNX bus or coming from the other integrated systems.

Recorded data can also be stored and visualized through charts on the client application, or sent via e-mail. Micro server is also available in a 4-DIN rail modules case. Voice control integration is also possible.

Available in **desktop mounting** or in **DIN rail mounting** aluminium case

- Power: 12-24 VDC - 1A Max
- 1x network port
- 1x USB port
- KNXnet/IP interface/router
- 1x EIB/KNX TP port



Compact Compact DIN

Compact server is intended for advanced automation.

In addition to all the standard features of a Micro server, it has an extended set of I/O's and two serial ports. It also enables the connection with different worlds such as Modbus, Lutron, Legrand BTicino MyHome and others. Compact supports connections with anti-theft and multimedia systems; everything can be integrated following the logic chosen by the installer or the end user. Designed to achieve high performances, it does not have any limitations on the amount of configurable systems.

The 1.54" screen makes the device easier to install, enabling the monitoring of the IP address and other technical information.

Available in **desktop mounting** or in **DIN rail mounting** aluminium case

- **Power: 12-24 VDC - 1A Max**
- **1x network port**
- **2x USB port**
- **1x RS485 + 1x RS232**
- **4x in + 4x output 6A@230Vac relays**
- **KNXnet/IP interface/router**
- **1x EIB/KNX TP port**

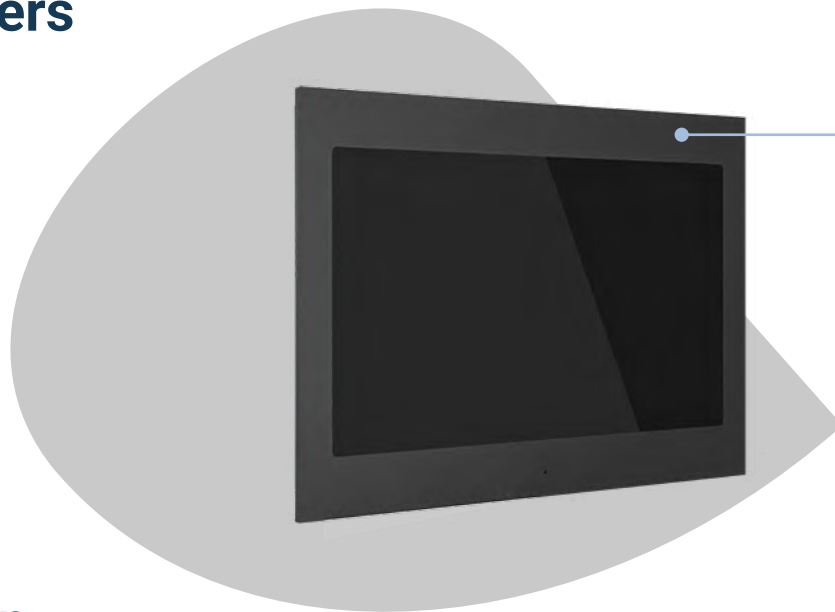


Rack

Rack server is the ideal solution for any plants where a high number of integrations and available features coexist. With many external ports to connect different systems and devices, Rack grants the highest performance and the most advanced automation for a smart building.

It embeds all the available features developed by ThinkNnx without any restrictions.

- **Power: 100-240VAC**
- **2x network port**
- **1x RS232 + 2x RS232 or RS485**
- **4x USB port**
- **KNXnet/IP interface/router**
- **2 units 19" rack mounting metal case**



Envision 7

7" capacitive touch screen
158×93mm visible area
1024×600 resolution

Envision touch controller

Envision is the elegant and smart all-in-one Touch Controller able to grant the comfort of a touch user interface and the powerful features of a ThinKnx server, all in one device.

Available as 7" and 10", either server or client, it is characterized by a modern design and high-quality materials, that make it the ultimate solution to suit any customers' request. Its built-in sensor board, loudspeaker and microphone enable the use of Envision as internal doorcom unit and thermostat at the same time.

Powered by Linux OS and directly connected to KNX TP port, it can establish a bidirectional interaction with third-party systems, providing more power and flexibility to the building.

Thanks to RS232 and RS485 ports it can control Modbus or anti-theft system substituting internal security keypads. One single device for multiple interactions. Envision comes in a wide range of high-quality finishes of different colors and materials, to blend in with your interior. Customization is available upon request.



Envision 10

10" capacitive touch screen
217×136mm visible area
1280×800 resolution

- **Power: 12-24 VDC - 1.5A Max**
- **1x network port**
- **1x EIB/KNX port**
- **Temperature & Humidity sensors**
- **KNXnet/IP interface/router**

- **Linux OS**
- **Consumption 10W Max**



Envision touch controller

Envision Touch panels are combined with a complete range of stylish frames to better blend with the colours and feelings of the ambience. Tailor-made by Italian artisans with high care for the details, frames are available in several colours in Aluminium, Fenix NTM and Fenix NTA with prestigious metallic finishing. All external surfaces are very elegant and pleasant to the touch and give the Envision panel an extraordinary added value.

- **Boxes for wall mount Desk mounting adapter VESA mounting adapter.**
- **Power supply for inbox back mounting to reach best noise immunity.**
- **Aluminium frames, Fenix NTM & NTA frames with customized colours & materials.**

Aluminum:

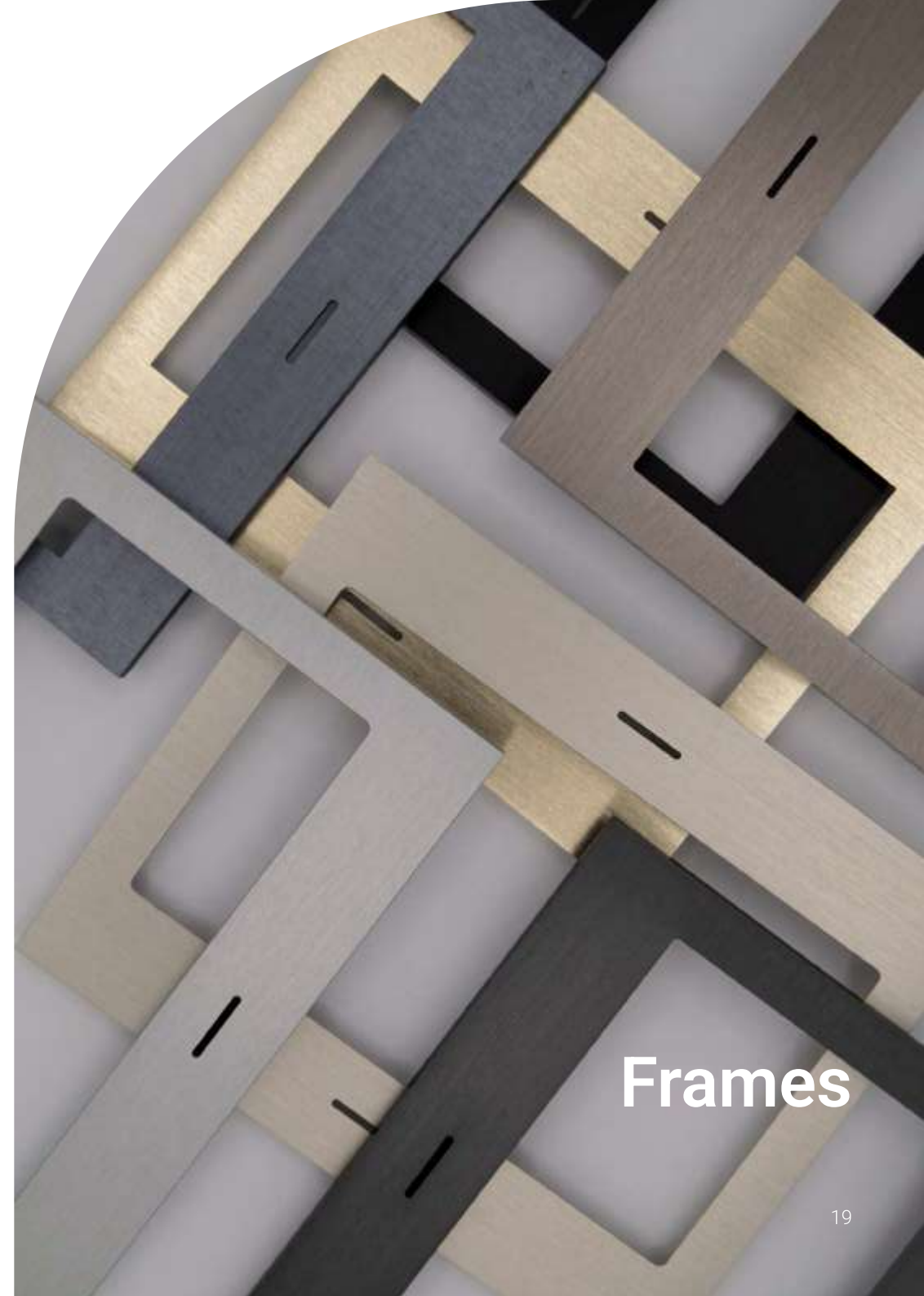
Black, Silver, Dark Grey, Gold

Fenix NTA:

Steel Hamilton, Silver Dukat, Gold Cortez

Fenix NTM:

Black, White



Frames



Discover ThinKnx Trend Line

Trend Line is the perfect entry level solution for different scenarios such as residential buildings, small apartments or hospitality.

It integrates the most needed functionalities, a simple configuration, as well as the plus of being fully customizable by the end user.

It consist of three devices: **K**, **K2** and **Piccolo**.

The first two devices embed stand-alone servers that permit the control of the KNX plant through mobile apps, compatible with any kind of platform. The Piccolo operates just as smart client.

Temperature and humidity sensors permit to use them as thermostat. They can be integrated in plants where a Pro Line server is installed, allowing the end-user to operate the keypad as a client device.

Piccolo

Capacitive 4" touch screen
Resolution 480x480

Piccolo is a multitasking device that is particularly dedicated for in-room management of different scenarios such as residential buildings or hotels. It acts as a client of either Pro line or Trend line devices.

The graphic is characterised by an unlimited number of pages and a full set of predefined widgets, fully customised by the end user even with favourite pages. The design of the device combined with the presence of these kind of sensors, make them well accepted by interior design since they can replace multiple cumbersome devices.

In hospitality, Piccolo can be used as a customised interactive Front Door plate. The pages can be designed to show camera number and hotel logo in addition to signalling the status of the room (do not disturb and/or make up room). The ring button can be part of the graphic. Additional pages permit to interact with the Access control system using for example a QRcode.

It is available in Black colour.



Power supply
12-30 VDC or PoE



Internal solid-state memory



Widgets View



Wi-fi connectivity



1 x KNX TP port



1 x Ethernet 10/100



Temperature & humidity sensor



Dedicated App



K2

Capacitive 5.5" touch screen
High resolution screen 720x1280

ThinkNex K2 is the most powerful controller of the Trend Line.

It is the perfect solution either as a stand-alone server for small installations or as a Client of the Pro Line.

K2 is even equipped with a microphone and speakers that make it a VoIP Doorcom station compatible with major brands on the market. The 5.5" screen has embedded temperature and humidity sensors allowing it to be used as a thermostat.

It can be equipped with a standalone, Thinknux client or server function

The graphic is characterised by an unlimited number of pages and a full set of predefined widgets, fully customised by the end user even with favourite pages.

It is available in Black or Silver colour.



Power supply
12VDC or PoE



Internal solid-state memory



Wi-fi connectivity



Internal clock



Widgets View



Dedicated App



1 x KNX TP port



1 x Ethernet 10/100



Temperature & humidity sensor



K

Capacitive 4.3" touch screen
Resolution 480x720

ThinKnx K is the elegant stand-alone server, very easy to configure, that permits the control of the KNX plant and is the ideal solution for different scenarios such as residential buildings or hotels.

The 4.3" high-resolution capacitive touch screen, the embedded temperature and humidity sensors as well as the RGB nightlight enhance its performances.

The easy and intuitive graphics are characterised by predefined widgets and unlimited pages for the management of the main KNX functions (lights, dimmers, blinds, RGB, thermostats etc) and allow the user to create up to six pages of "favourites".

Through its dedicated App it is possible to remotely control it from any platform.

"K" device can also be used as a client for the Pro Line servers, only acting as an extra user interface.

It is available in both Black and White colour.



Power supply 12-30 VDC - 1A Max



Internal solid-state memory



Wi-fi connectivity



Fan-less processing



Internal clock



Widgets View



Dedicated App



Linux operating system



1 x KNX TP port



1 x Ethernet 10/100



1x USB port



Temperature & humidity sensor



ThinKnx UP Configurator & Customizable Interface

ThinKnx UP Configurator is the tool for the creation and development of the supervision project. It allows to create all the connections needed between the graphic interface and the actual devices that are part of the system. With simple steps and intuitive parameters, graphical interfaces can be compiled with a high customization and used with all clients and all devices.

Just as easily, the user can create logics and configure system elements in order to achieve integration between all the devices. Finally, the tool allows to load the project on client devices and servers with distinguished exports according to the specific user.

ThinKnx graphical user interface is completely customizable following the needs of the final user. A multi level structure and the retractable main menu allow a pleasant navigation through the various functions by simply scrolling them. Each function contains an unlimited number of pages, with the possibility to totally edit each page and element inside, like adding a personalized background and freely position the multitude of available objects (lights, motorization, thermostats, etc.). The interface automatically complies with the resolution and orientation of the device in use, boosting readability and speeding up operations.



create
develop
supervise

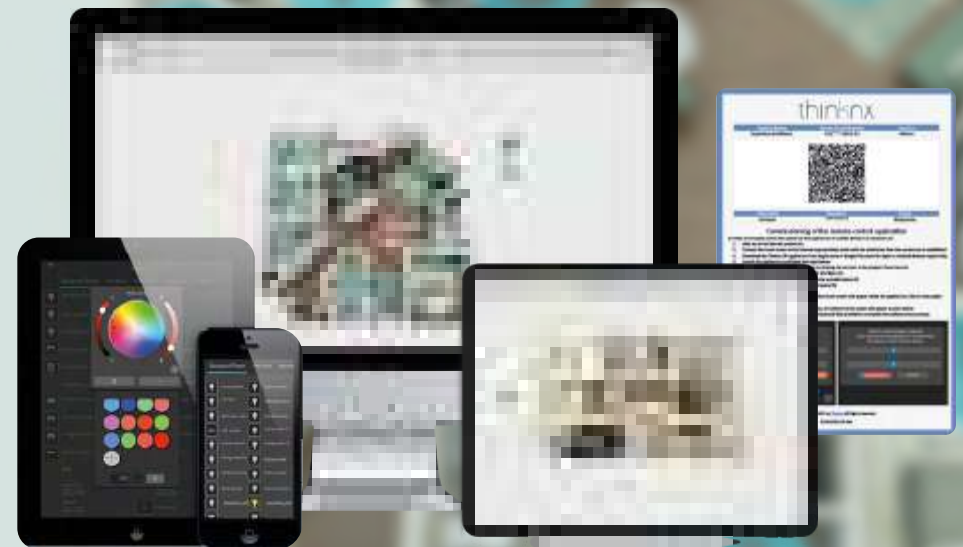
ThinKnx UP Clients

ThinKnx UP software suite comprehends a wide range of native applications to cover practically any mobile platform and operating system. Downloading the proper app, it is possible to take control of the system from iPad, iPhone, Android tablets and smartphones, Windows touch screen and PC with the same ease of use and efficiency.

Native applications, embedding all the graphics inside the mobile device, grant also the best possible performance during remote Wi-Fi or mobile connection, thus ensuring an uncomparable user experience. Simplified procedures permit to easily pair the client with the specific installation thanks to the cloud project repository, granting a fast and reliable update of all the devices with just one single operation.



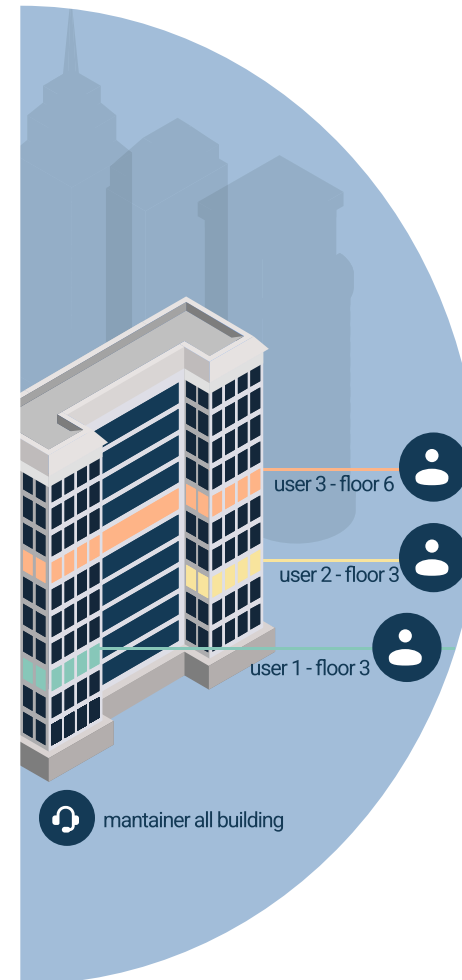
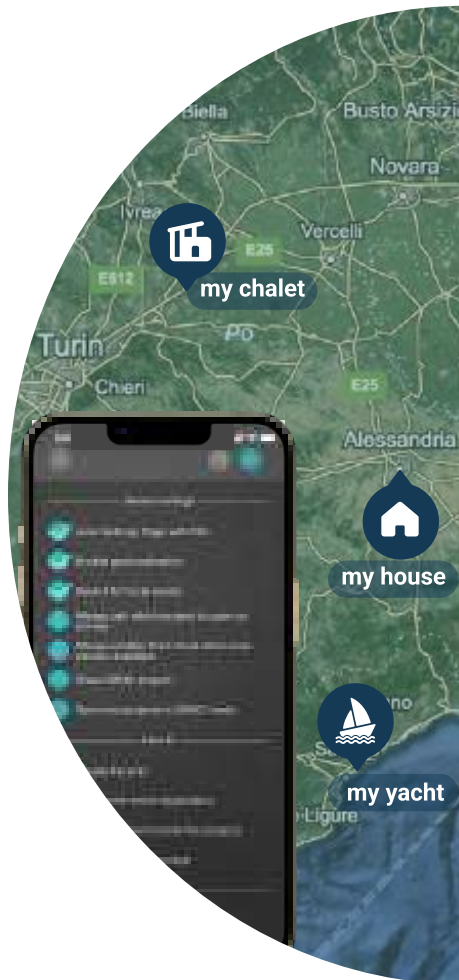
iOS



Multi-project and geolocation

It is really common that a single user needs to control more than a plant, like main house, mountain chalet and maybe a yacht or the office. Thanks to multiproject feature, it can be done easily from the same app. Just with one touch, in fact, it is possible to switch from a plant to another in a while. The app additionally helps to choose the right plant.

Using geolocation services, distance from every plant is computed and the nearest one is suggested.



User restrictions and elements protection

Interfaces can be customized and adapted to the single user within the same plant. Every single functional object can be restricted to a particular user or a group of them. Thus, it is possible to create interfaces that respect hierarchy or the privacy of every single user. For instance, in a commercial building, users should be able to control just the floor of their pertinence while the building maintainer should have a vision of the entire building. The same logic can be used to control rooms in a hotel or flats in a tower.

The PIN protection feature, instead, fulfills the need to protect objects displayed in the interface which can't be excluded using restrictions feature. Indeed, in some cases customers require that the object is displayed on the interface but only a few people can control it.

PIN codes combined with user restrictions are the most powerful way to protect and customize the client application.



Pop-ups

The system automatically prompts designed dialogs for the different objects that require multiple user inputs, such as dimmers, RGB lights, motorizations, chronothermostats, timers etc. It also permits drawing customized pop-ups that can be recalled whenever needed by the user or automatically in specific events. That is a clear way to get rid of cluttered pages keeping them organized and user-friendly.



Scene management

Record your daily routine!
With ThinkKnX scenery object, it is possible to record multiple actions and perform them back with a simple button in the UI or a normal on-wall push button. Sceneries can combine commands from any device of the installed system, making them the most important bricks to build the automation system, and adapt it to the needs of the end user's daily life. Recorded sceneries can always be edited and easily updated from the application with simple operations.
Scenes can also be recalled in the occurrence of specific events and can be created directly from the Configurator to simplify the programming process.



Advanced scheduling

Further benefits come from the possibility to automatically launch the recorded sceneries from a weekly time schedule or an external action or trigger event. For instance, it is possible to automate the closure of all the shutters and the arming of the alarm system at a specific time in the evening if someone is in the house or they can be tied to weather conditions or sun position (sunrise or sunset).
Sceneries can also be interconnected and actions can be separated with pauses.
An advanced planner permits to finely tune each automated task and to get the program for the day or the week at a glance.

supervision

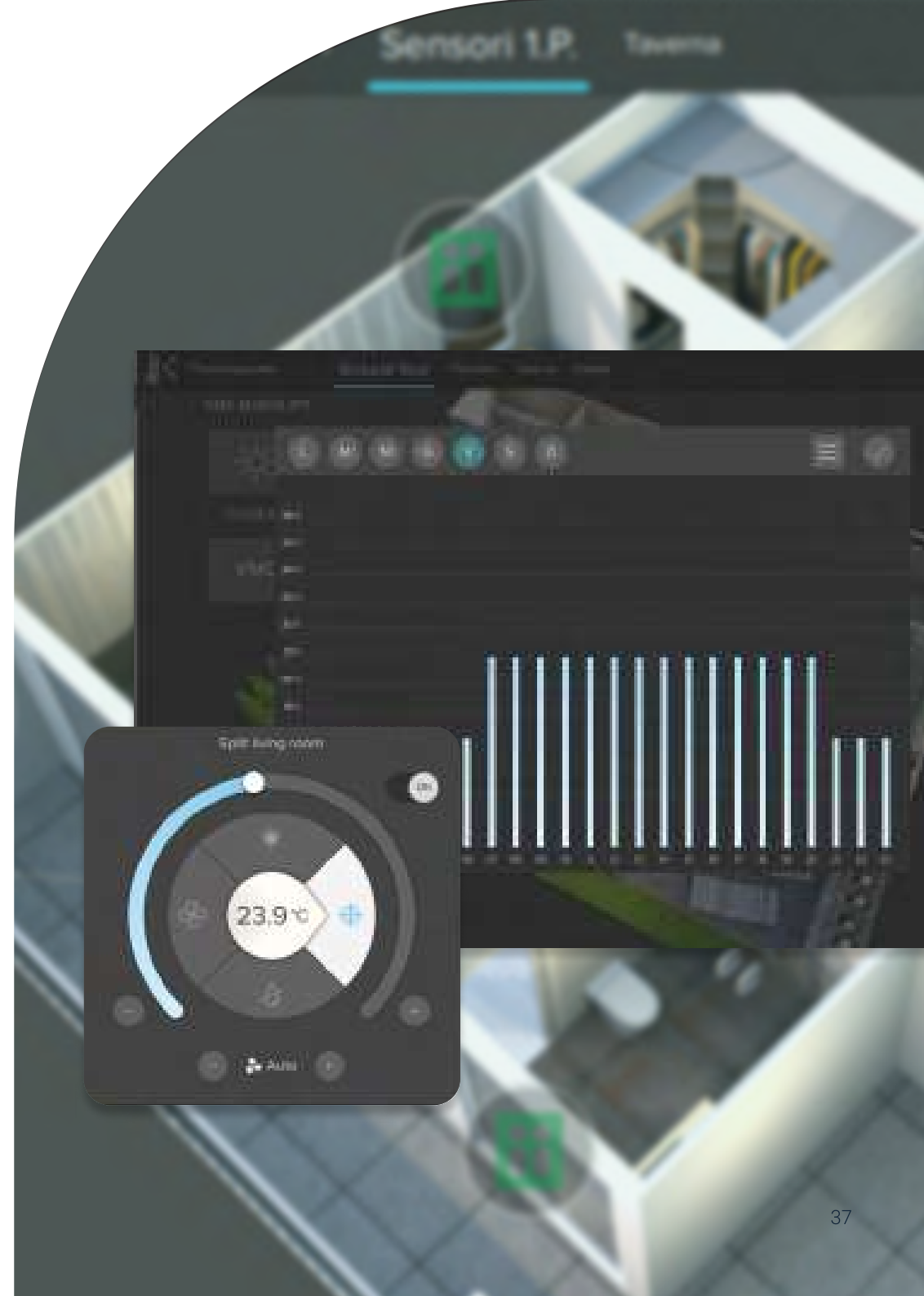


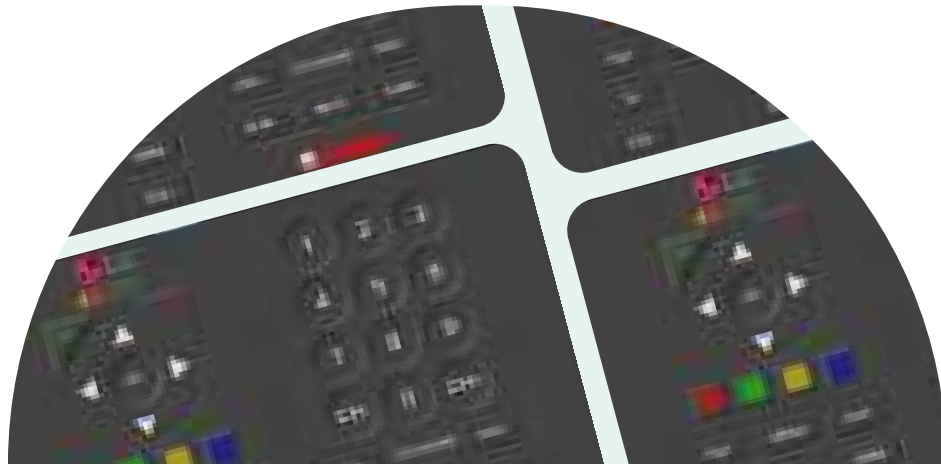
Heating & cooling regulation

Intelligent climate control is crucial for a better life quality. ThinkKnx allows the user to **operate and regulate heating, ventilation and air-conditioning** in a seamless intuitive way, in order to provide the desired thermal comfort and indoor air quality efficiently. ThinkKx powered smart homes will be able to automatically react to the changes of indoor or outdoor conditions: shades will go up or down following sun times, heating or cooling will stop if a window is open and start to welcome you back home with the perfect temperature.

Weekly schedule

In addition to controlling the temperature from inside or outside the house, ThinkKnx allows to **schedule the desired thermal comfort for each room during the entire week**, to grant the right temperature at the right time. The clear pop-ups allow to set temperatures or heating modality in winter or summer. They are specifically designed to show the running settings in a comprehensive way and notify the user in case the system is operating unexpectedly. The user can check the summary view with all the modalities set for each day of the week, in order to have a global idea of the modes scheduled.





Multimedia

Audio/Video system in the entire house can be centralized, controlled and enjoyed from any room. Through ThinKnx application, it is possible to select the desired source and to control it without caring about its installation or location, for a relaxing daily experience.

IR transmitters

Simple devices with no dedicated port to be controlled can also be integrated into the ThinKnx system. In fact, by means of network infrared transmitter, even the most simple CD player or satellite receiver can be controlled from the graphical interface and used in complex multi room distributions. Furthermore, they can be integrated into sceneries and used in conjunction with other elements of the house as normal on-wall push buttons.



Internet of things

In addition to the already embedded protocols, ThinKnx servers offer the chance to connect and control almost any devices thanks to their wide set of configurable link ports. For instance, custom strings can be sent to devices through Ethernet to perform desired operations. Generic http requests can also be associated to particular events, or data transfers on serial ports can drive a scenery or other actions. MQTT and other IoT specific protocols are available to communicate with constantly growing number of smart devices. Finally, the Integration Kit is a powerful tool that can be used to communicate with third-party systems. Two-way communication can also be established with other ThinKnx servers or a wide range of services available on IFTTT.



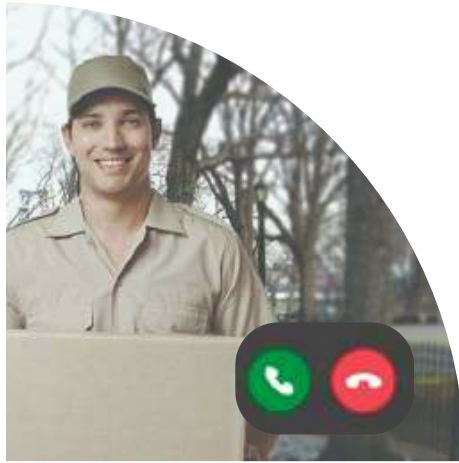
Voice control

With ThinKnx you can simply use your voice to control your whole house! Whether it is through Amazon Echo, Google Home or Apple Homekit, the user is able to manage everything integrated inside ThinKnx system such as lights, temperature, shutters, security, scenes, multimedia etc. All the functionalities are also managed by Android or iOS devices for a complete remote control. The voice commands are translated into low level actions independently from the protocol and technology (KNX, Z-Wave, Modbus etc).



IP cameras & CCTV

Thanks to the camera object, ThinKnx application gives users the ability to monitor the house in real time. In addition, it is possible to create pages with multiple views and interactive objects, and be able to check whether an alarm is true or false. Analog cameras are also supported using IP-videoserver or integrated digital video recorder.



Door communication

ThinKnx application can also work as an intercom client, allowing the user to answer the door call from anywhere. It is designed to support VoIP-based door communication and to permit the complete management of gates and entrances. ThinKnx also embeds a VoIP server that facilitates system configuration and grants no missed calls, even when the application is running in the background. Moreover, door camera can also be used to trigger events or sceneries like any other system camera.



Alarm devices

Thanks to the integration of numerous alarm systems, it is possible to perform the most common operations from the supervision software like viewing the status of sensors, or arming a partition also remotely. Furthermore, alarm components can be used inside the integrated system to trigger actions from the simplest, like turning on a light on movement, to the most complicated ones, like performing particular sceneries when alarm is activated by a specific user.

Presence simulation

It is less likely for an intruder to enter a house when presence simulation is activated. On holidays, you can give the impression that someone is living in the house using the presence simulator. When activated, it will perform a specific set of actions in a pseudo-random order and time, like turning some lights on, opening and closing the curtains and/or playing music.



Navigation bar

Easy navigation between tabs to view all the details and monitor consumption.

Energy optimization & Data collection

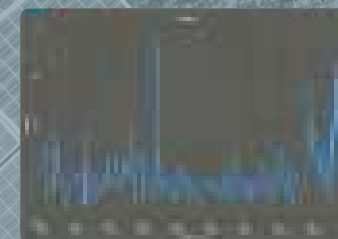
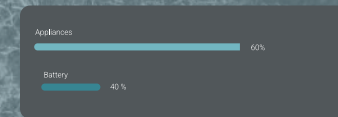
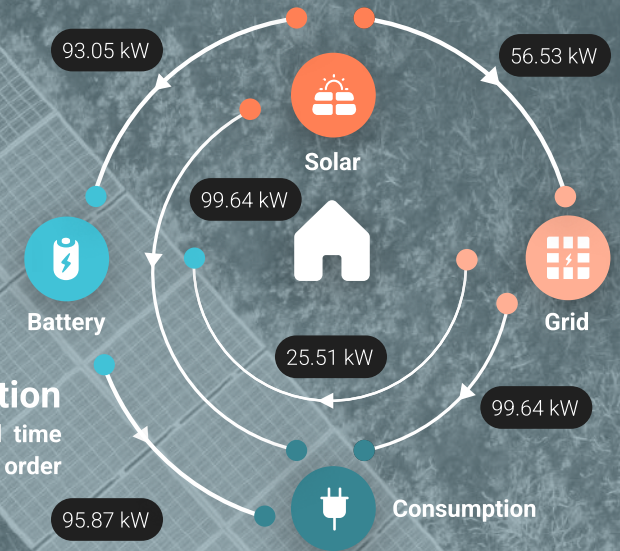
ThinKnx provides all the tools needed to analyze, compare and optimize energy flows and consumptions.

Some dedicated widgets permit to understand energy flows at a glance and to combine the usage of multiple energy sources easily and efficiently. The system can automatically use electricity from solar panels when it is available or schedule energy-consuming operations according to the most convenient supplier tariffs. The system permits also to monitor the consumption of specific loads and to analyse their impact on the overall consumption. Loads can also be automatically detached to avoid excessive power withdrawal from the power grid, following a user defined priority.

All the data flowing into the server (from energy consumptions to room temperatures etc.) can be stored either locally or in the cloud with a desired accuracy and buffered for a predetermined duration. The same data can be used to create reports that can be e-mailed to different recipients with a predefined scheduling. Data can also be consulted in realtime directly from the user interface through interactive and responsive charts.

Production distribution

Detailed overview of the real time production & consumption in order to enhance daily habits.



Load control

Detailed appliance consumption summary ad adjust load priority by turning on/off or assigning specific thresholds.

- Fridge** (Daily limit: xx W)
- Washing machine** (Information Lorem Ipsum)
- Oven** (Information Lorem Ipsum)
- Dish washer** (Information Lorem Ipsum)
- Sauna** (Information Lorem Ipsum)

ThinKnx Cloud

An advanced Cloud service is available to all the ThinKnx users for free. It simplifies daily operations and connections, as well as the maintenance and commissioning of the projects.

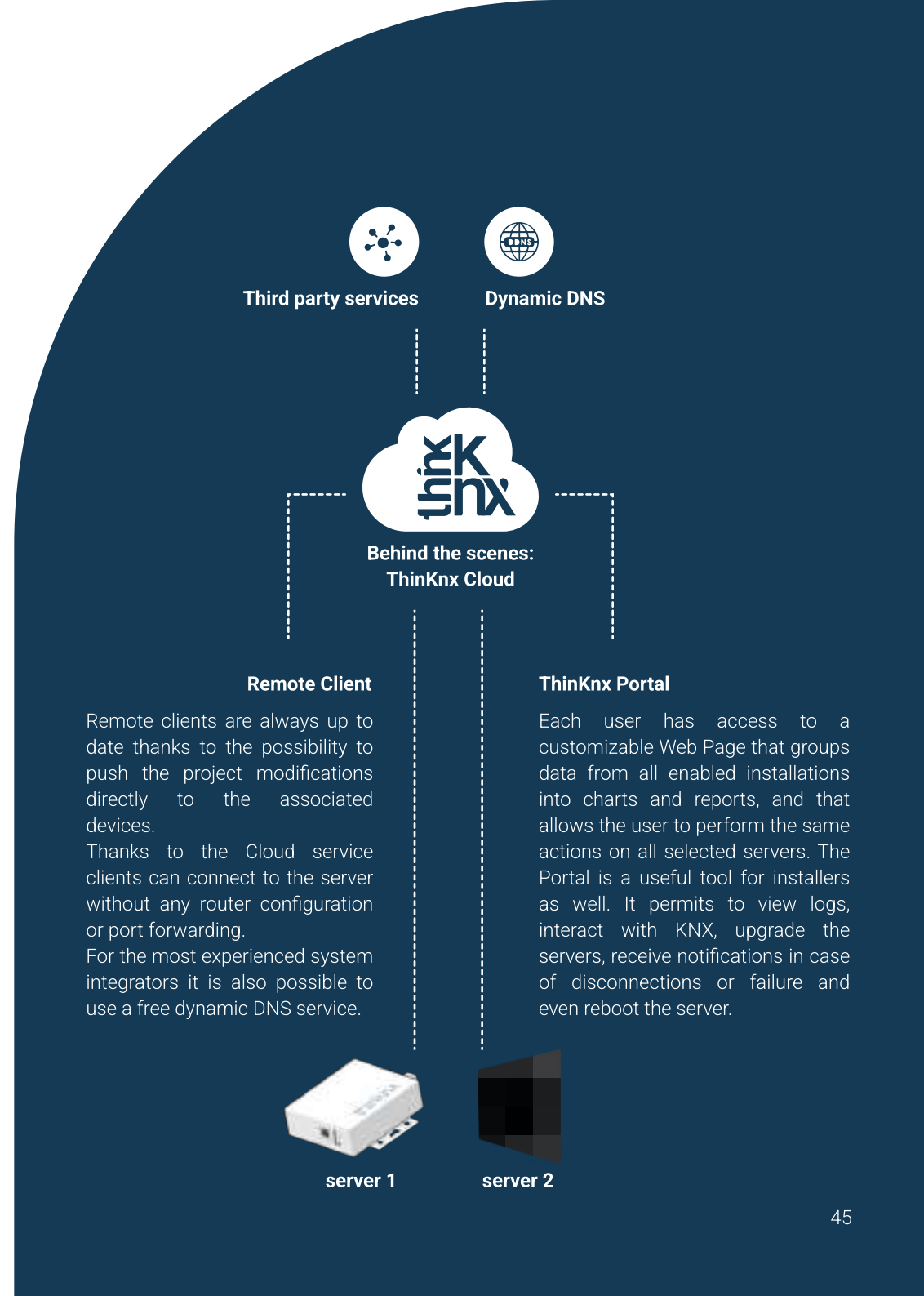
The services offered by ThinKnx Cloud are:

Remote Control: automatic connection of the clients to the server without any port forwarding or router configuration.

Remote Update: seamless distribution of projects from Configurator to Server and all the clients wherever they are.

Data Storage: collection of interesting user data from the installations and storage into a safe DB.

Dynamic DNS: Free dynamic DNS service. Additional functions are available such as free push notification service, connection with third-party services like Amazon Alexa, and ThinKnx Portal.



Third party services

Dynamic DNS



Behind the scenes:
ThinKnx Cloud

Remote Client

Remote clients are always up to date thanks to the possibility to push the project modifications directly to the associated devices.

Thanks to the Cloud service clients can connect to the server without any router configuration or port forwarding.

For the most experienced system integrators it is also possible to use a free dynamic DNS service.

ThinKnx Portal

Each user has access to a customizable Web Page that groups data from all enabled installations into charts and reports, and that allows the user to perform the same actions on all selected servers. The Portal is a useful tool for installers as well. It permits to view logs, interact with KNX, upgrade the servers, receive notifications in case of disconnections or failure and even reboot the server.



server 1



server 2

cloud services



ThinKnx portal

Being a Cloud service dedicated to system integrators as well as users, ThinKnx Portal is the perfect solution to monitor and control multiple installations such as multi-branch retail stores or companies, clusters of villas or chain hotels. It enables all the installed servers to be virtually connected regardless of their physical location, and controlled from a centralised ThinKnx user interface.

Each user has access to a customizable Web Page that groups data into charts and reports from all the enabled installations, as well as data tables that can be filtered according to the desired time frame. Individual values can also be monitored and even modified if required.

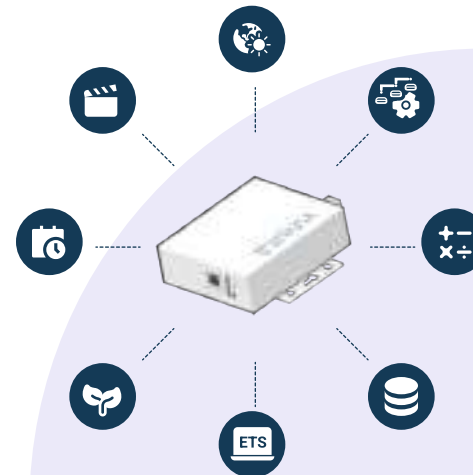


Server monitoring

ThinKnx Portal is also a powerful tool for the installers, while debugging or implementing new features on a running plant.

Scrolling a list of servers, it is possible to check the state of each connected device, get all the information such as the activated licences, view logs and interact with KNX, and even upgrade or reboot the device in case of failure.

The users can also manage clients and activate/deactivate devices as well as controlling the subscription to Cloud based services like Amazon Alexa or Google Home.



Background services

ThinKnx server is able to perform a considerable quantity of additional background services, such as complex mathematical expressions (averages, boiler power modulation, loads consumption sum, ventilation control, etc.), logical operations, sceneries, data storage, load control and energy saving, triggering events through sun times, and scheduling.

Another interesting service offered by the server is the ability to operate as a KNX IP interface/router while maintaining its original purpose as a visualization server.

The ThinKx server can also communicate with other KNXNet/IP interfaces instead of using its own embedded bus connection to communicate with the KNX bus.



Server web interface

ThinKnx server also integrates an internal web server that allows to perform remote maintenance of the system.

The users can control the server status, update its firmware or reboot it, all from the web interface. They can also enable or disable features through the licenses management page or authenticate client devices, granting a secure connection.



ViaVai: Knx-Based Access Control

ViaVai can be adapted to sectors where long-term expirations are required such as service and industry sectors, but also applied to the hospitality sector where credentials are usually short-term, and remote management is required.

Communication with Wiegand technology is also possible through the ThinKnx-Wiegand adapter allowing the integration with suitable RFID or biometric readers.

The configuration of the access control topology with all its readers, areas, and roles is done only from the ThinKnx UP Configurator, while the management of the users, areas and schedules is done from the manager's Web Page.

In addition, ViaVai Access Control is a new upgrade that can be applied to any ThinKnx server to enhance the level of automation and security of a plant while providing an easy management of access credentials. Thanks to the KNX TP port of the server, any standard KNX keypad can be used by the user to enter the access code to a certain area, and even control a KNX lock or switch output on the installed actuators.



connected by
thinknx cloud

Simplified hospitality



01 Booking

Upon booking, the guest is automatically registered into the system with a generated QR code. The booking confirmation e-mail is sent along with the code and an invitation to download the app.



03 Stay

The guest uses the app to control the lights, shutters, and HVAC in the room. Through integration with the Guest Management System, it is possible to convey billing information to the app.



05 Follow up

The app can still be used by the hotel to convey information to the user regarding events, special promotions, news, etc



02 Check in

After check-in, the code becomes fully operational, allowing the guest to control the room and all doors in common areas.



04 Check out

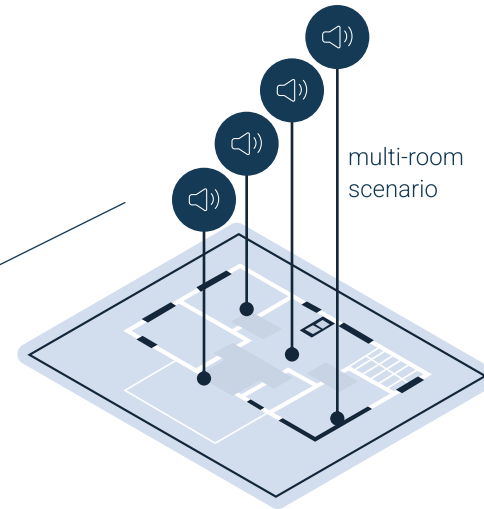
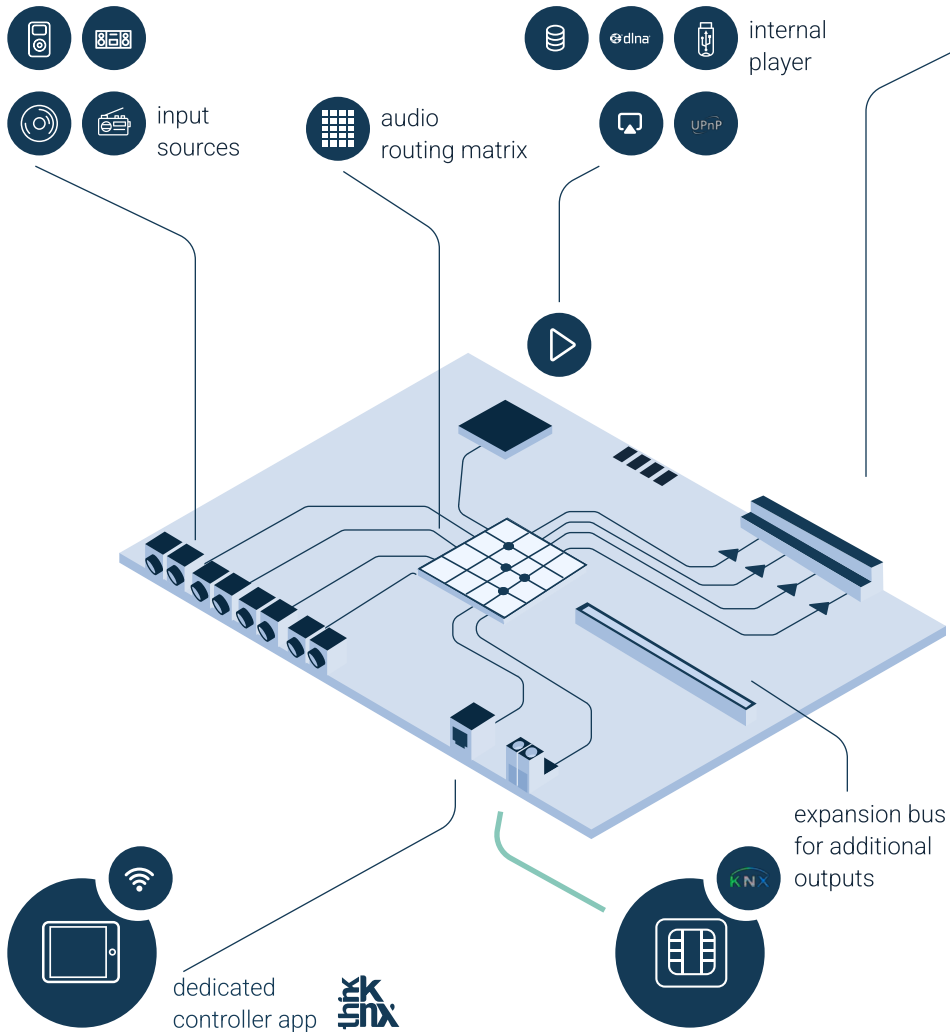
At check-out, the guest code is automatically deactivated and the app will stop being lively connected to the hotel.



06 Return

Should the guest decide to book again with the same hotel, previous settings can be restored such as preferred temperature, alarm, etc.





Knx native, professional multi - room audio system

Fully integrated in the automation system.

Audiofy is the simple yet powerful integrated **multi-room professional audio system** created by **ThinkKNX**.

Only one device to combine audio matrix routing, power amplifiers for each output and up to four independent network players. The system permits to spread audio contents from external analog sources or from internal players to different rooms with superior pure sound quality. Moreover, a complete set of applications grants a total control over your music listening experience coming from USB stick, network radios or from the most common streaming services like Spotify.

Thanks to the many protocols supported, Audiofy can be perfectly integrated inside the automation system. The native KNX TP port allows to use Audiofy not only as a multi-room audio solution that sends commands and receives feedbacks from other KNX devices, but also as a complete stand-alone server for the management of lights, rollers, thermostat, HVAC without any additional device.



Sound Processor

Each input can be routed to 1 or more outputs.

3-Band equalizer, +15dB/-79dB volume control and L/R balance adjust for each output.

Analog Inputs

High impedance, single ended inputs with RCA terminals.

Selectable gain (0 to 20dB) for each single input.

Outputs

Class D, high efficiency, 2x50 W continuous on 40hm, fault protected, stereo outputs.

Additional pre-amplified outputs for active speakers or external amplifiers.

THD+N=0.1%@25W- SNR=102dB

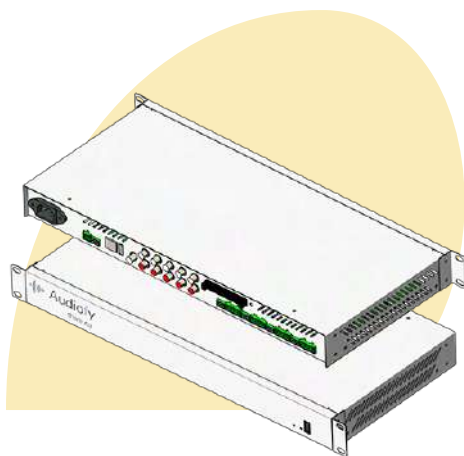
Internal Streamer

Streams and plays all the most diffused digital audio format.

Each player is an **AirPlay endpoint and UPnP renderer.**

It can play from DLNA and UPnP Media server, network sharing and USB pluggable storage.

Rooms and outputs can be added to P1/P4 directly using expansions units E4 or via network using additional P1/P4 devices.

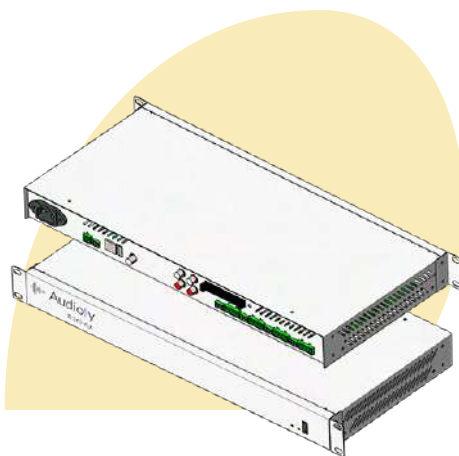


Audiofy P1

Permits to spread music coming from the 5 analog inputs or from the single internal player to 4 amplified outputs (expandable to 32).

Optionally with server inside

- . x1 EIB/KNXTP port
- . **x1 internal network player**
- . **x5 single ended inputs**
- . x4 amplified stereo out
- . x1 USB port
- . x1 ethernet port
- . Power: 230VAC 200W Max

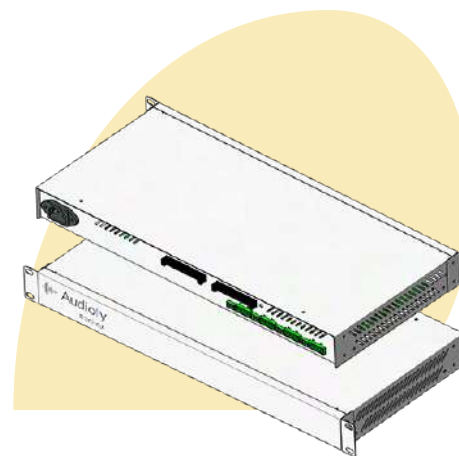


Audiofy P4

Permits to spread music coming from the 2 analog inputs or from the 4 internal player to 4 amplified outputs (expandable to 32).

Optionally with server inside

- . x1 EIB/KNXTP port
- . **x4 internal network player**
- . **x2 single ended inputs**
- . x4 amplified stereo out
- . x1 USB port
- . x1 ethernet port
- . Power: 230VAC 200W Max



Audiofy E4

Expansion module to add 4 additional outputs to existing P1 or P4 module.

- . x4 amplified stereo out
(50W per channel on 40hm speakers)
- . Power: 230VAC 200W Max



Training and demo servers

ThinKnx provides a complete range of services in terms of consultancy, project planning and customization.

We schedule ad hoc webinars and free online training courses to grant installers and system integrators a complete technical support. ThinKnx values the customer's satisfaction, while focusing on the ease of use of its products and the pre/post-sale support. New customers can test ThinKnx features through a demo-server, which is fully refundable in case of dissatisfaction. All demo servers come fully equipped with ThinKnx licenses.

ThinKnx Support Center is available for any technical support request.

Customers can create a ticket per each issue and they can easily track the progress during all the steps required for its solution.

ThinKnx Wiki Page also provides all the information and user guide needed during installation, configuration and troubleshooting.

Commercial Policy

We always look for new partnerships and collaborations all over the world.

If you are an installer, a system integrator or a distributor, feel free to contact us to receive information about our commercial policies.



Via Lodovico Montegani, 68
20141 Milano, Italy

+39 02 89155750
www.thinknx.com

 Made in Italy