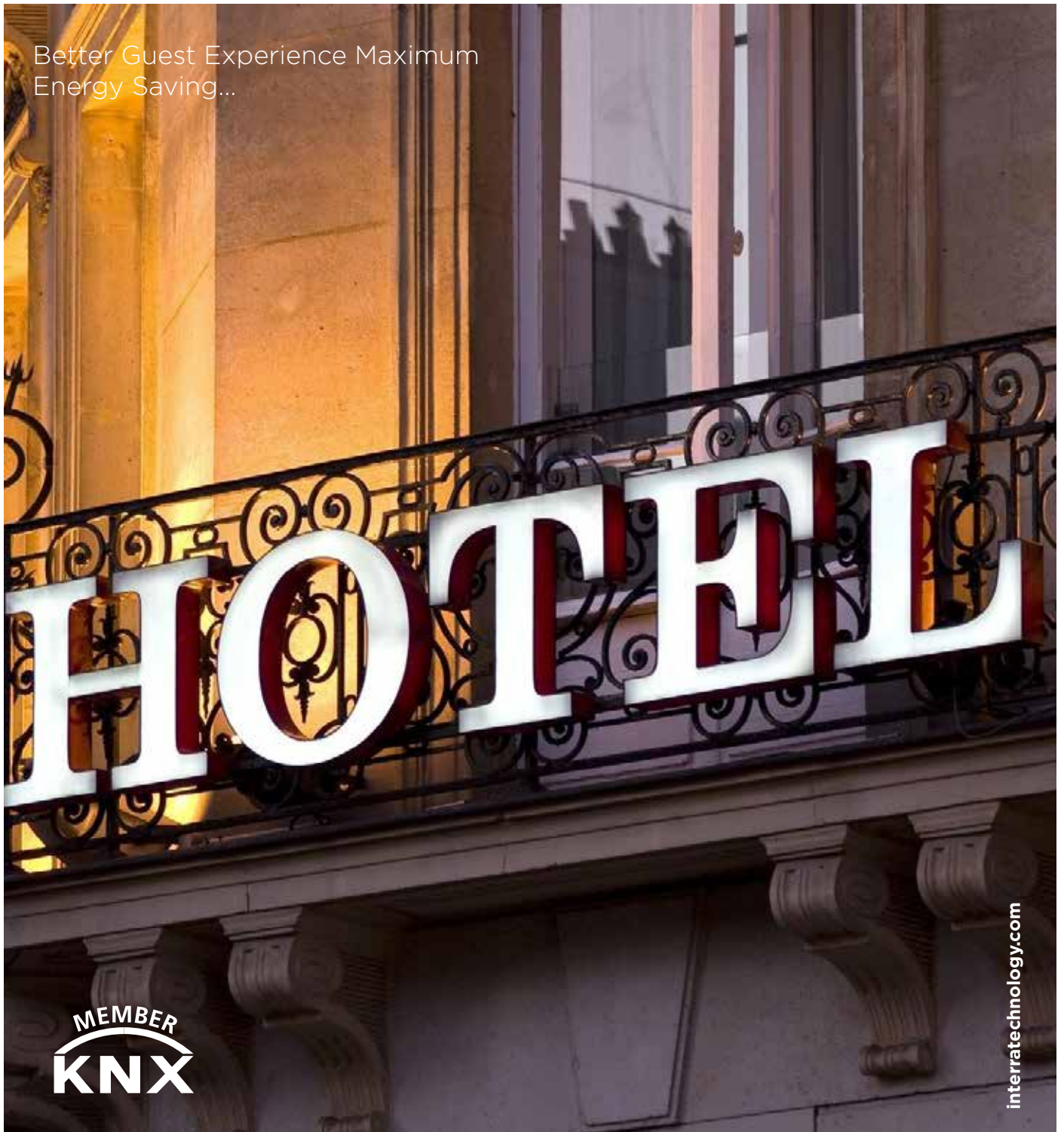


Smart Hotel Solutions

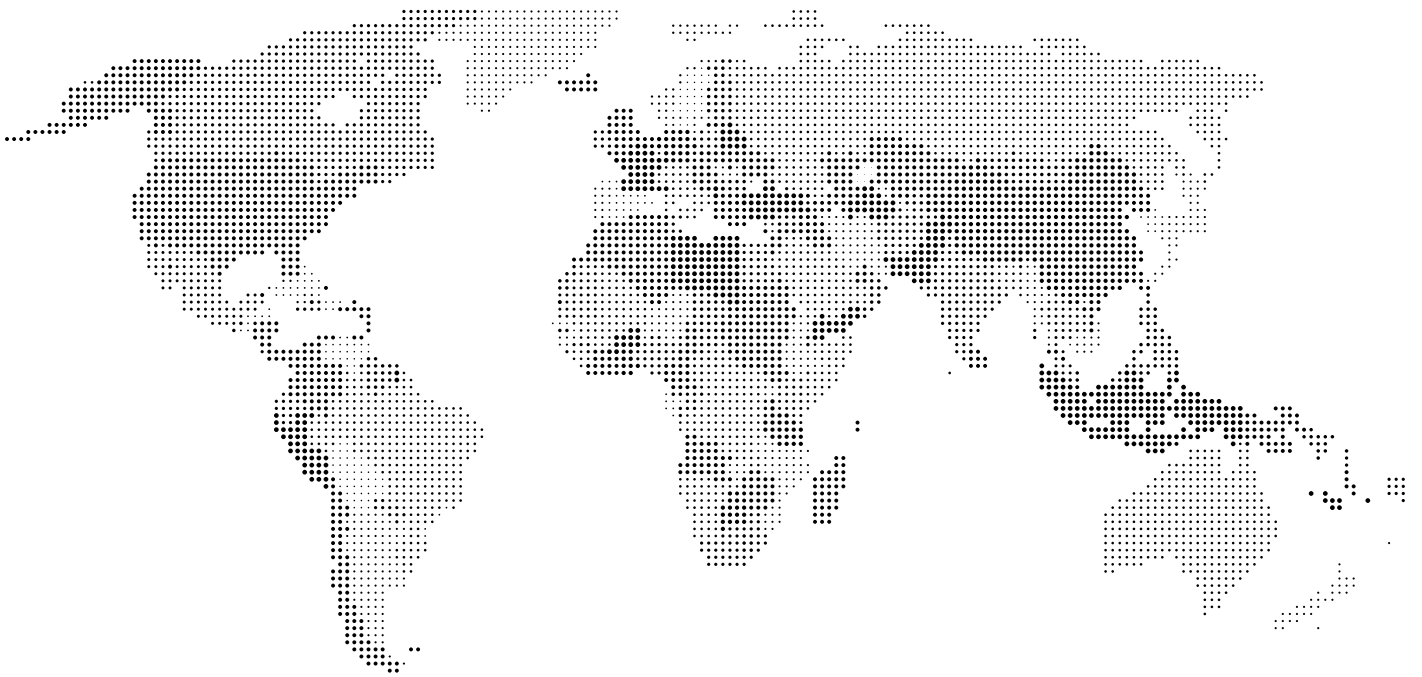
'INTERRA

Better Guest Experience Maximum
Energy Saving...



MEMBER
KNX

interratechnology.com



Distributor and system integrator network in 60 countries

Interra offices in 6 of them, desingning projects in 75 countries from Australia, Japan to Uk, Canada.

Sectoral Vision

Applying innovative solutions that make it easier for future generations of designed buildings to be adopted at the top projects.

R & D and Innovation

Interra R & D engineers designed hardware and software solutions since the beginning of the corporate market to provide innovative solutions to meet the expectations.

Premium References with R & D Projects

Solutions designed by the local R & D team Thanks to the different privileges it provides in over five thousand and completely upper segment projects, especially in the corporate sector to continue his permanent mission.

New Smart Hotels of the Future Meet
INTERRA Technology ...

What is Smart Hotel Solutions?

Interra smart hotel control system is designed to provide a better service for every guest in the hotel.

With occupancy-based energy management and intuitive guest-faced technology, operators can reduce hotel energy consumption, increase operational efficiency and provide guests with the comfort, control and convenience they expect.

Through mobile applications, guests can book a room, choose a room, etc. and they can also control door locks, lights and other things.



Purpose of Smart Hotel Solutions

From critical operations to hotel management, Interra Smart Hospitality Solutions covers all the basics to improve digital customer engagement and reduce operational loads and concentrate hotel staff on providing better service to guests.


These solutions promote business growth by enhancing the guest experience, increasing operational excellence and Safety / Security.

Smart Hotels with Interra

INTERRA prioritizes energy efficiency and quality service approach along with comfort in its Hotel solutions. Our main goals are to make your residents feel that they are in a special place and also to offer technology and ease of use together in our room solutions.

All room automation system control by residents is handled innovatively by Interra. The requests can be applied instantly via both on mobile devices and next-generation touch panels in the room.

The fact that the room manages itself to ensure economy and comfort is the basic feature of the system. For this, software, hardware and central (Hotel room management software - IS Server) applications in Interra are preferred by many world brands.



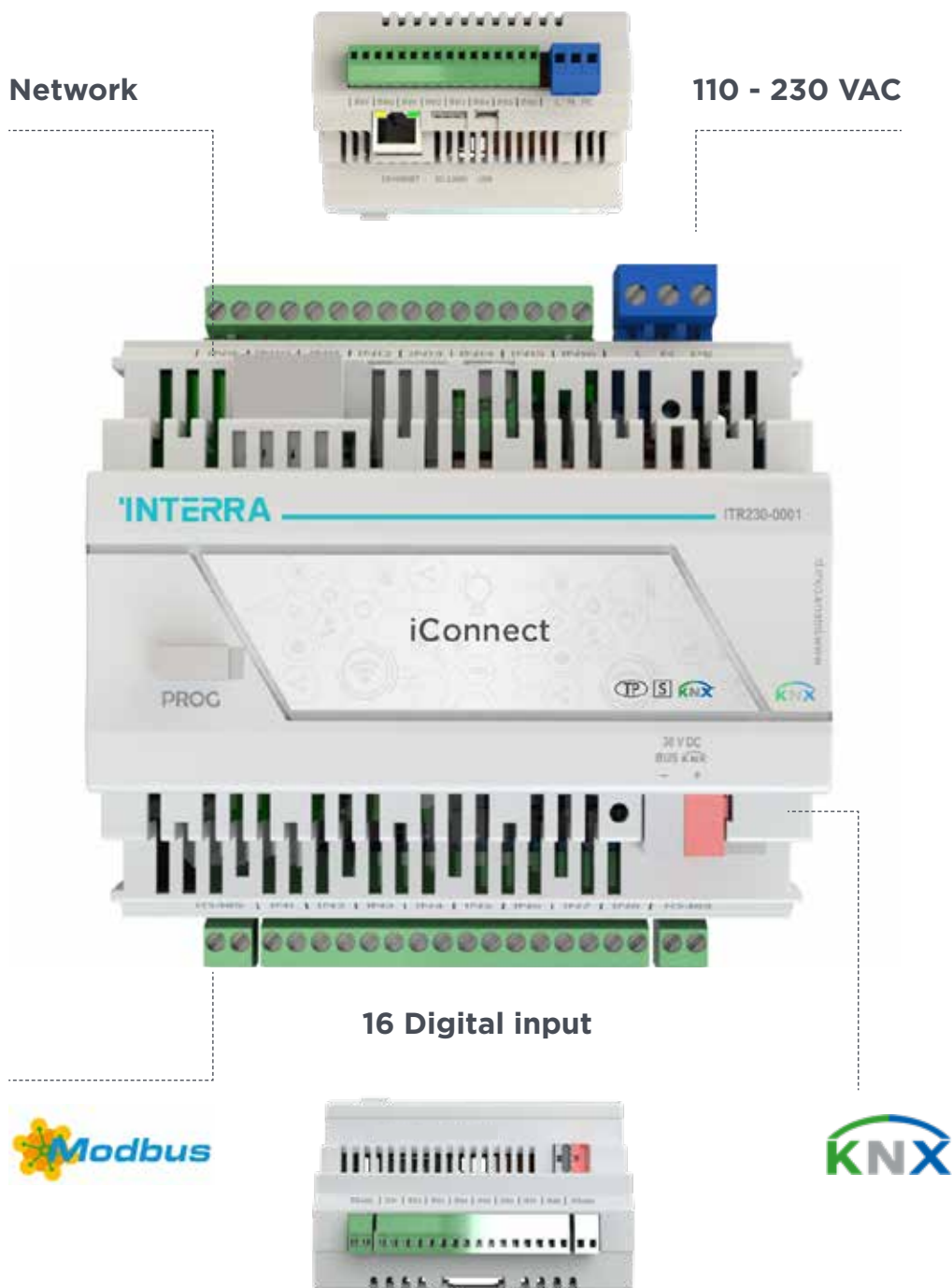
In Interra, you can find the most optimal solution either in the KNX standard or in the Ip-based EIO GRMS standard. Complete automation control is possible with 2 different concepts that Interra offers.

- EIO GRMS
- Imini
- Interra DND
- Push buttons
- Conventional detectors
- IS Server GRMS software
- Interra KNX Combo
- Iswitch
- Imini
- KNX detectors and sensors
- Interra DND
- Interra BIM modules
- Interra Gateways

iConnect

Room Control Unit

KNX, Modbus and 16 Digital Input, ethernet, embedded KNX Power supply, integrated Ip interface, extended function blocks, Linux, Nodred Framework





Interra Smart Solution



KNX, direct to TCP network,
Modbus, GRMS, DND/MUR Service
logics, GRMS server application,
scenarios, room modes, Access
control system integration, many
options for digital outputs, mobile
access to the room, integrations
Fidelio, Salto, Assa Abloy, etc.

Hotel Scenarios

Correctly Designed Room Scenarios for Maximum Energy Saving and High Comfort

Welcome scenarios



Check-in



Check-out



Air conditioning scenarios



Sub comfort mode



Economy



Welcome to the next generation of smart hotels.

Custom Mode



Restaurant Reservation



Frost protection



Sleep/Night modes



Comfort mode

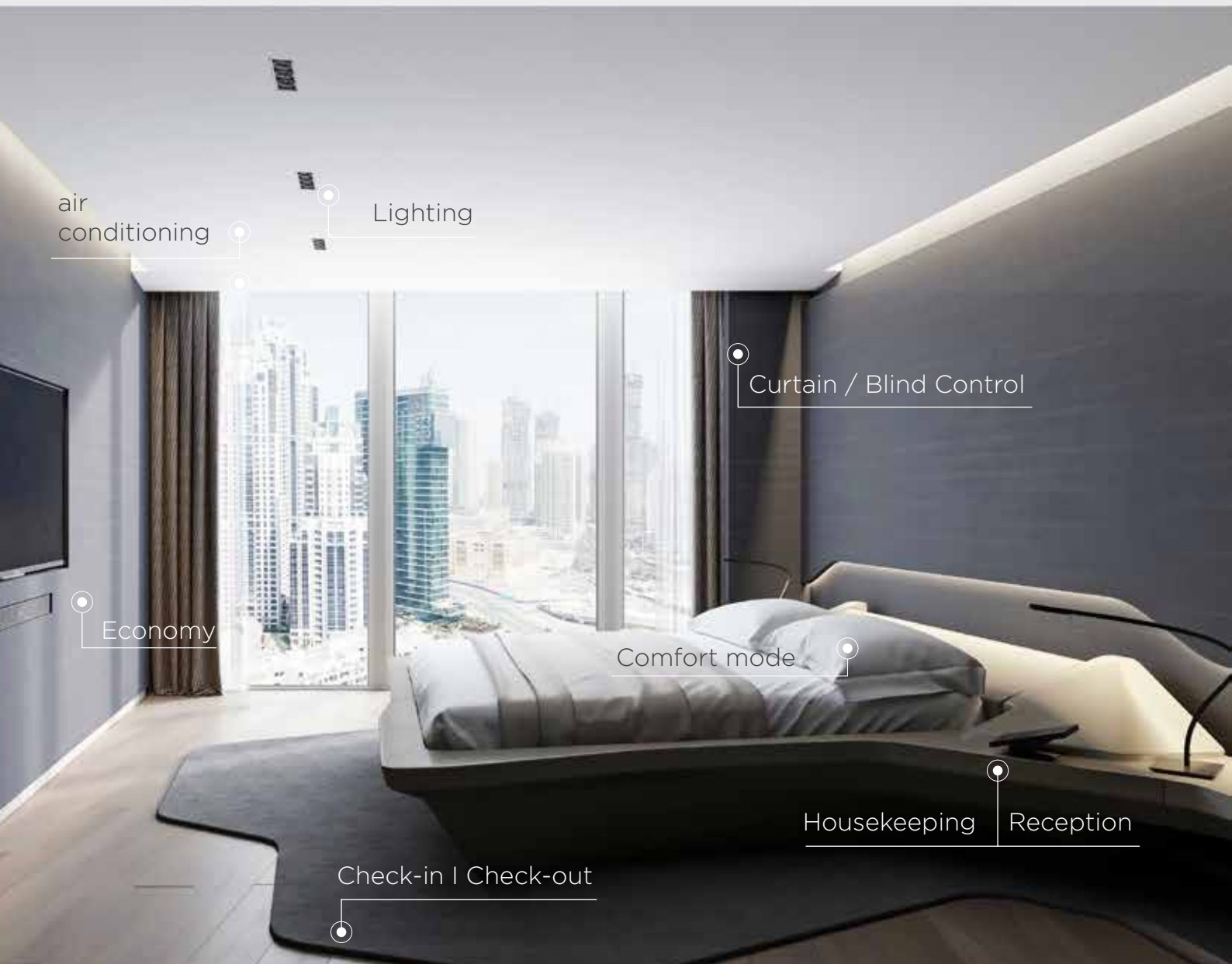


Housekeeping



New Hotels of the Future INTERRA Meets iConnect Technology

You can allow many activities such as SPA, Taxi, cleaning, sports, concerts, meals etc. to reach the room guest. You can contribute to a unique experience and to the image of the facility by providing this in an interactive way.



Maximum Energy Saving with iConnect Low Cost Solutions

To save energy, you need to control energy consumption by closely monitoring it at all times.

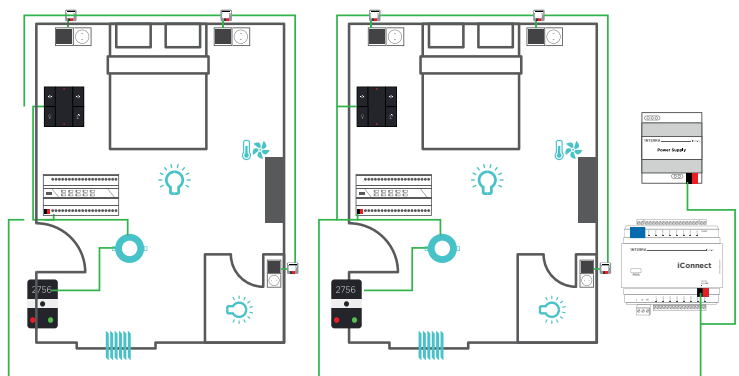
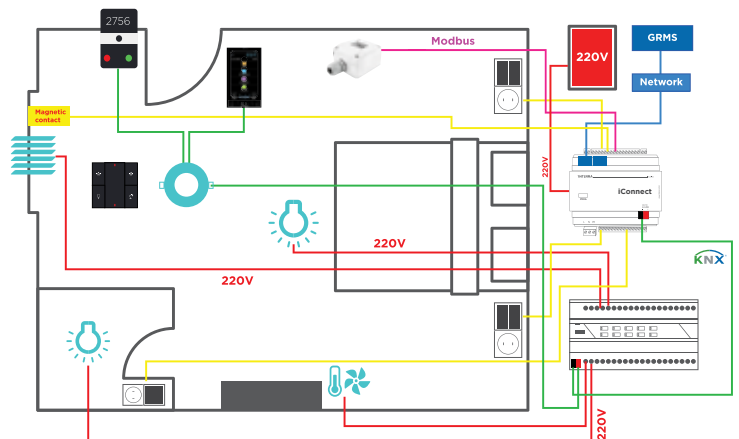
And thanks to the combined data of the booking management system and building management system, you'll have access to all the data you need to monitor, control and save energy in your hotel.



iConnect

Scenarios that can be performed with limited flexibility have achieved high flexibility with iConnect. It can provide automation by producing its own power without the need for an external supply.

It is independent of operating system platforms and 100% programmable via browser. It was able to communicate with multiple protocols needed in the building automation sector. It provides a complete solution for hotel projects alone.



Innovative Aspects of iConnect

- First professional automation project using an open source Node-RED web-based visual programming interface by connecting TCP / IP connection
- Multi-protocol support with RS485 connection
- Miniature and embedded KNX power supply
- Creating a wide range of scenarios and logical relationships
- Google Assistant, integration with web-based automation system with Amazon Alexa
- Embedded Ethernet switch provides superiority in cost-critical projects

iConnect



Hardware Features

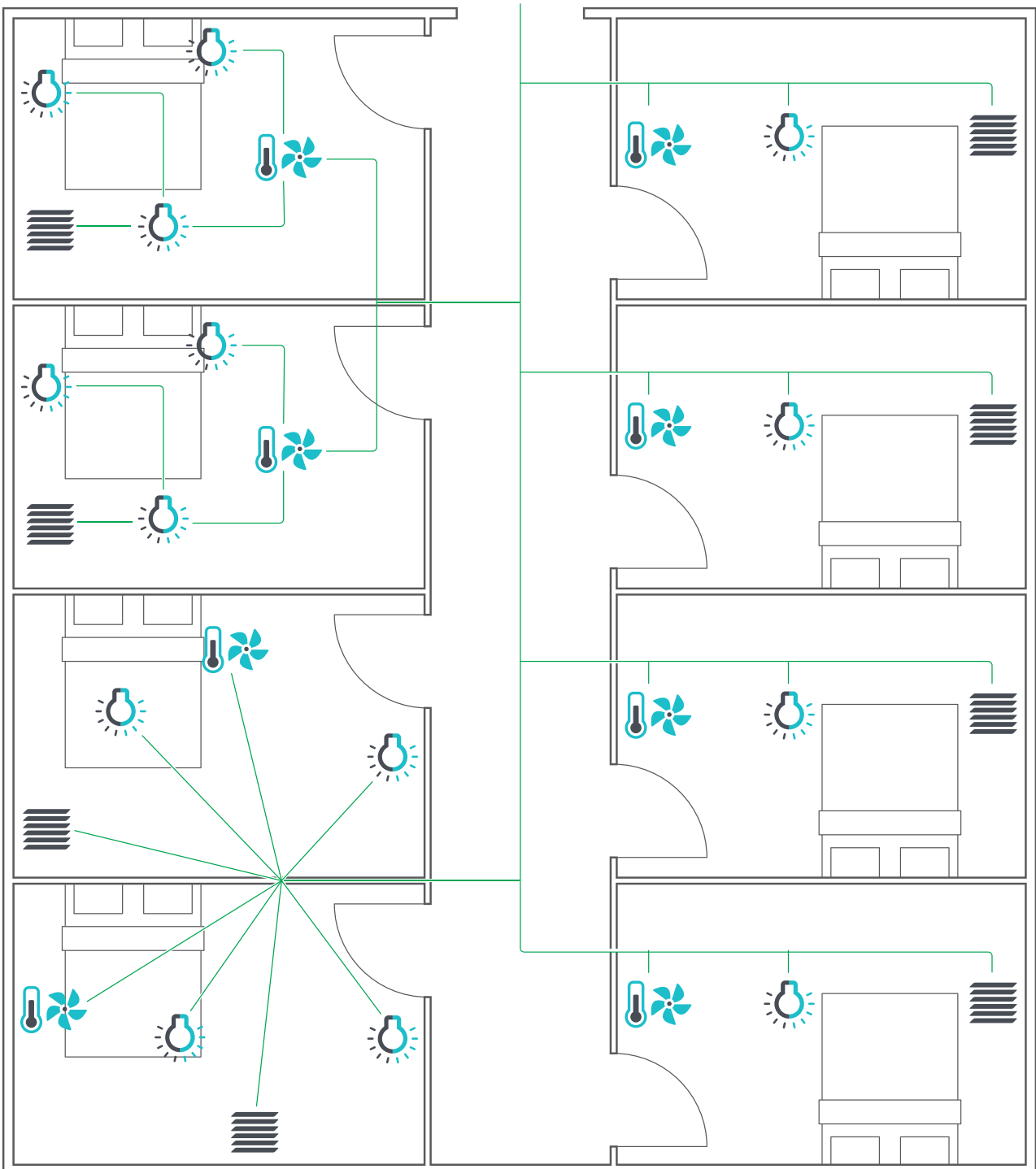
- 230 VAC 50Hz \pm 5%
- Miniature and Embedded KNX Power Supply
- 1 x KNX Port
- 1 x Ethernet Port
- 1x RS485 Port
- 1 x USB2.0
- Manual Control Button
- 1 x Real Time Clock
- 8GB EMMC
- 512 MB DDR3 Memory

-
- High voltage protection in digital inputs (230 VAC)
 - Miniature KNX power supply short circuit protection
 - Electrically 100% isolated architecture
 - 100% compliance with EMC / LVD standards

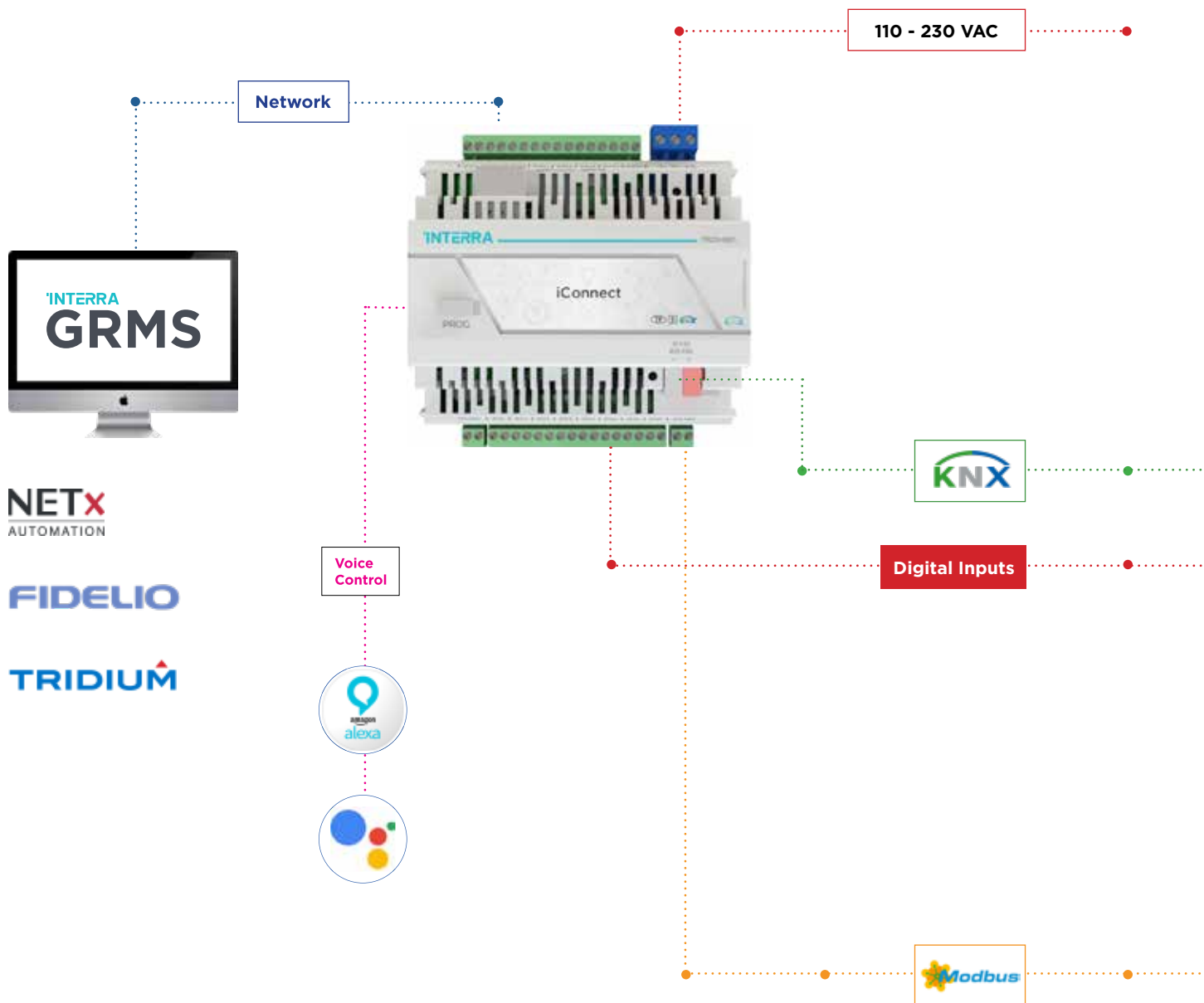
Software Features

- Installation, control and monitoring of automation system with visual programming interface via KNX, MODBUS and Ethernet
- 100% programmable automation interface
- Portable Linux Armbian operating system (Ubuntu 16.04)
- Software update via Ethernet and USB
- Return to factory software with the help of manual buttons

'INTERRA GRMS



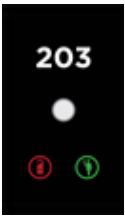
iConnect wiring diagram



Iswitch



DND/MUR



Imini



Interra Touch Panel



IP Router



Line Coupler



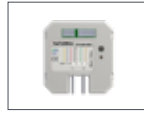
USB Interface



Daikin Gateway



Mitsubishi Gateway



Power Supply



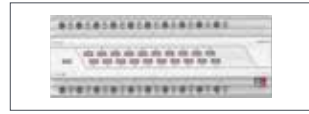
IR Emitter



Dimmer Module



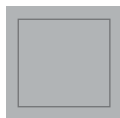
Combo



Sensors



Scenerios



A dashboard widget containing six icons arranged in a 2x3 grid. The top row includes a shield with a lock, two people silhouettes, a sun behind a cloud, a magnifying glass over a bar chart, a calendar, and three interlocking gears.

A dashboard widget featuring a shield with a lock icon at the top left. Below it is a list of three items, each with a lock icon (the middle one is unlocked). To the right of the list are three camera icons, each with a checkmark or exclamation mark.

A dashboard widget showing a magnifying glass over a bar chart at the top, and a line graph with an upward trend below it.

A dashboard widget with a circular progress indicator in the center showing 75%. The number 3 is displayed in a small circle in the top left corner.

A dashboard widget with a server rack icon at the top left. Below it is a list of three items, each with a horizontal slider control. A hand is shown interacting with the interface on the right side.

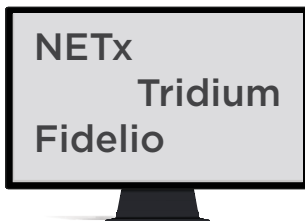
A dashboard widget with a fan icon at the top and a toggle switch below it.

A navigation bar containing three circular buttons: a back arrow, a play button, and a forward arrow.

A long horizontal slider bar with a white knob in the center.



Global integrations



Room Control



INTERRA GRMS centralises all the different data from within the building, including information about door statuses (through the Access Control network), comfort devices (commands, lights, shutters) and HVAC (temperature). It is the central “brain” that records and analyses data, and then sends commands to room devices and instructions to staff on any actions that need taking.

This software also offers an overview on room occupancy and maintenance operations. By connecting different devices to a central network where information is shared, you’ll be able to better manage your hotel’s whole system. Guests will benefit from greater comfort and you’ll be able to monitor occupancy to save energy, improve maintenance operations and boost security.



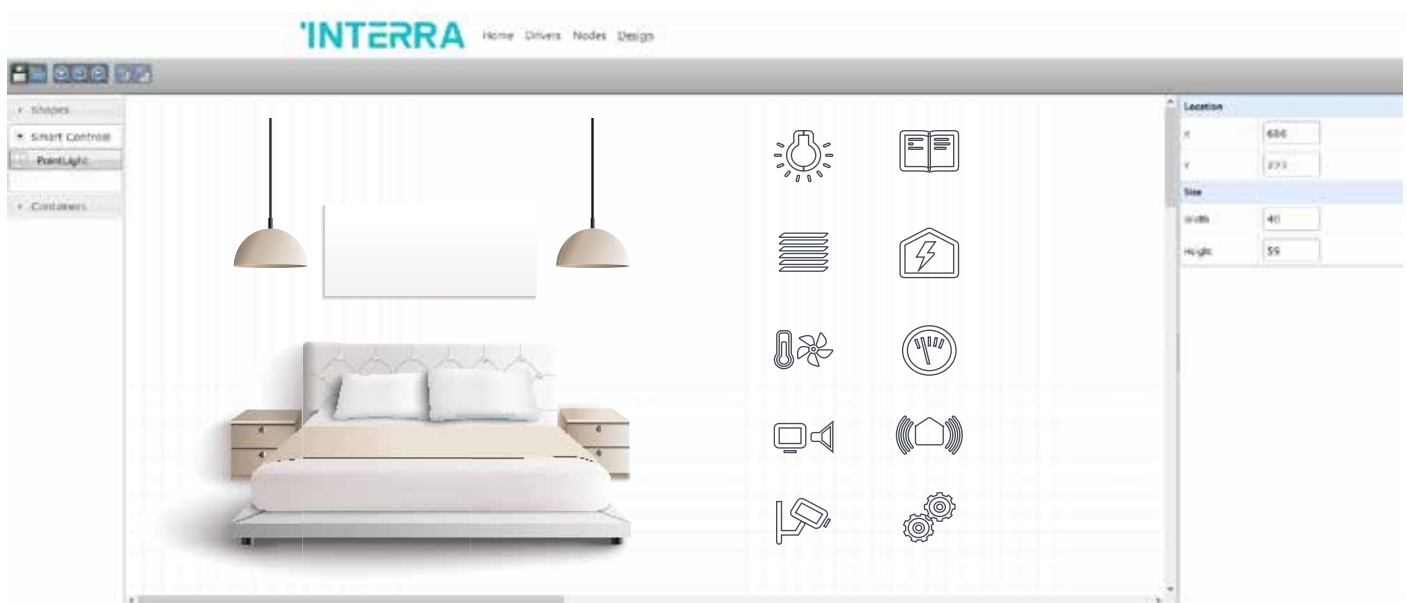
'INTERRA GRMS

GUEST ROOM MANAGEMENT SYSTEM



The main objective of using a GRMS - Guest Room Management System is to consistently satisfy guests' needs and expectations in their rooms.

The Guest Room Management System (GRMS) provides an innovative and efficient way to control the lighting, heating/cooling, curtains, TV, Music System, Radio and hotel guest services through intuitive buttons or touch screen/panel interfaces.



- Enables the hotel to efficiently manage guest room energy consumption and drive their vision of the optimal in-room experience generating greater guest satisfaction.
- Enhance customer comfort and provide easy management for hotel operators with automated solutions for guest rooms.
- The system manages different scenarios in each guest room, including welcome, living and sleeping settings.
- Lighting, temperature and curtains can be controlled to suit the activity of the occupant.
- Different scenes can be set in each guest room with the guest room management system.
- Settings can either be adjusted in the room by the guest or centrally via the hotel management system / Hotel Software / PMS.
- The guests will appreciate the ability to control the lighting, the curtains, the temperature and the fan control unit easily through such friendly system.
- The GRMS can be interfaced to the hotel software or Hotel PMS, Thus providing to automatically set the preferred temp., lighting, ambience settings as soon as guest check-in is shown.
- GRMS can be integrated with the Building Management System (BMS) and the Property Management System (PMS) in order to enable global management of the building and the hotel's operations.
- The main advantage of using a Guest Room Management System (GRMS) is to improve guest satisfaction & loyalty, Increase room revenue and save significant energy from 20% to 50%.

Room Control



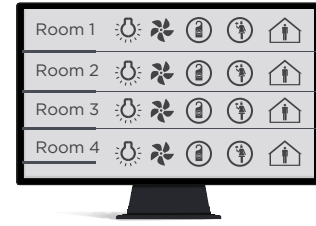
Settings can either be adjusted in the room by the guest or centrally via the hotel management system / Hotel Software / PMS.

Concierge - Services



Facilitate maid service requests, Laundry Request, Do Not Disturb (DND) etc.

Room Layout



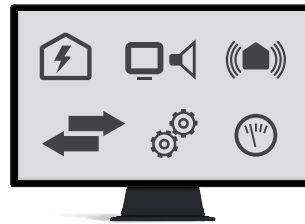
The GRMS can be interfaced to the hotel software or Hotel PMS, Thus providing to automatically set the preferred temp., lighting, ambience settings as soon as guest check-in is shown.

Global integrations

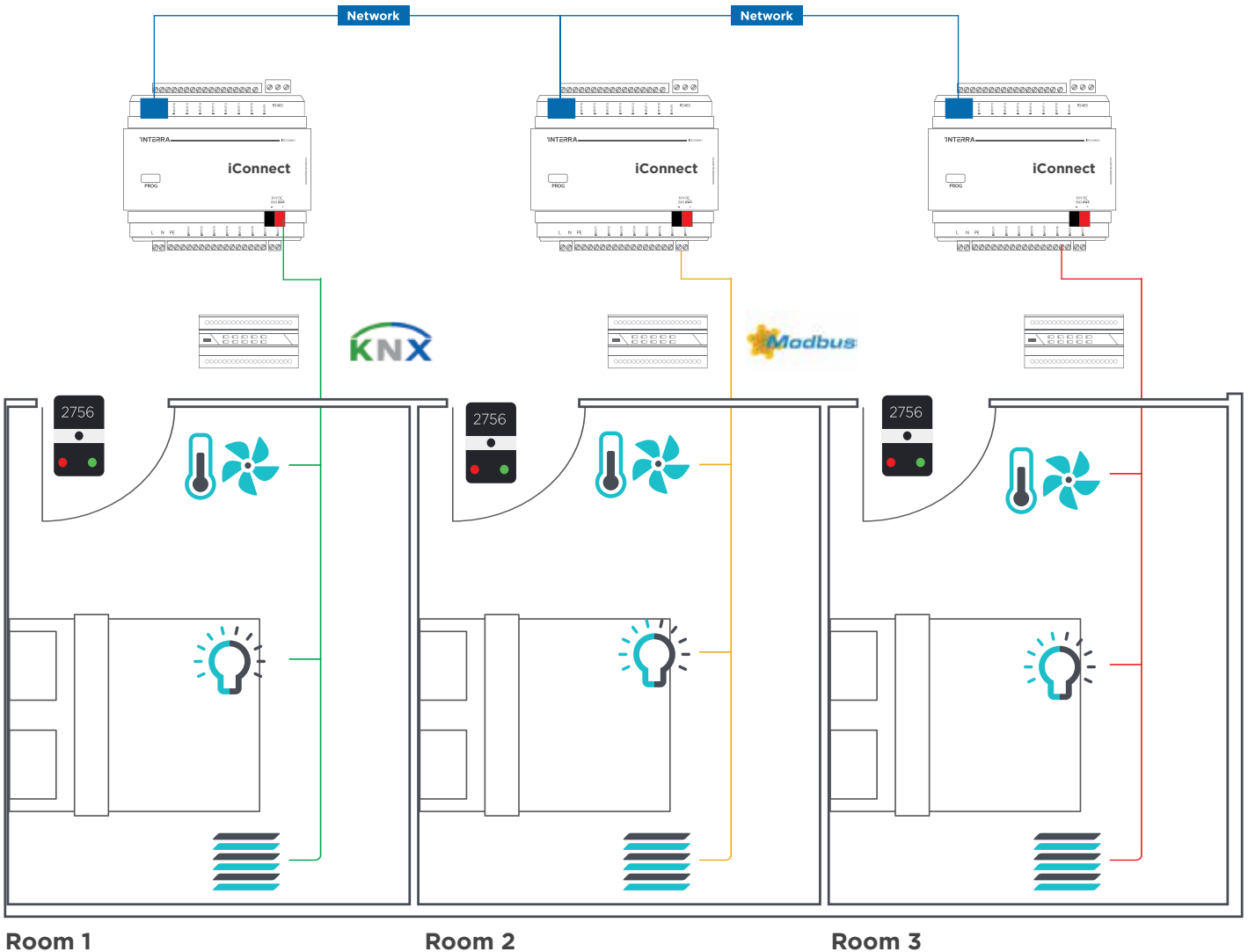


Thanks to Interra iConnect, integration with global hotel management software can be achieved.

Energy efficiency



Monitor and control energy consumption, Identify and proactively address maintenance needs



When solutions fit your **design expectations** perfectly.

Whether classic, modern classic or contemporary, our designs offer an unprecedented variety of shapes and a wide range of finishes, materials and colours, enabling individual solutions for every architectural concept and giving rooms a personal touch.



Swipe, click, feel good

The KNX room controller can regulate both the room temperature and ventilation, depending on the user's preference.

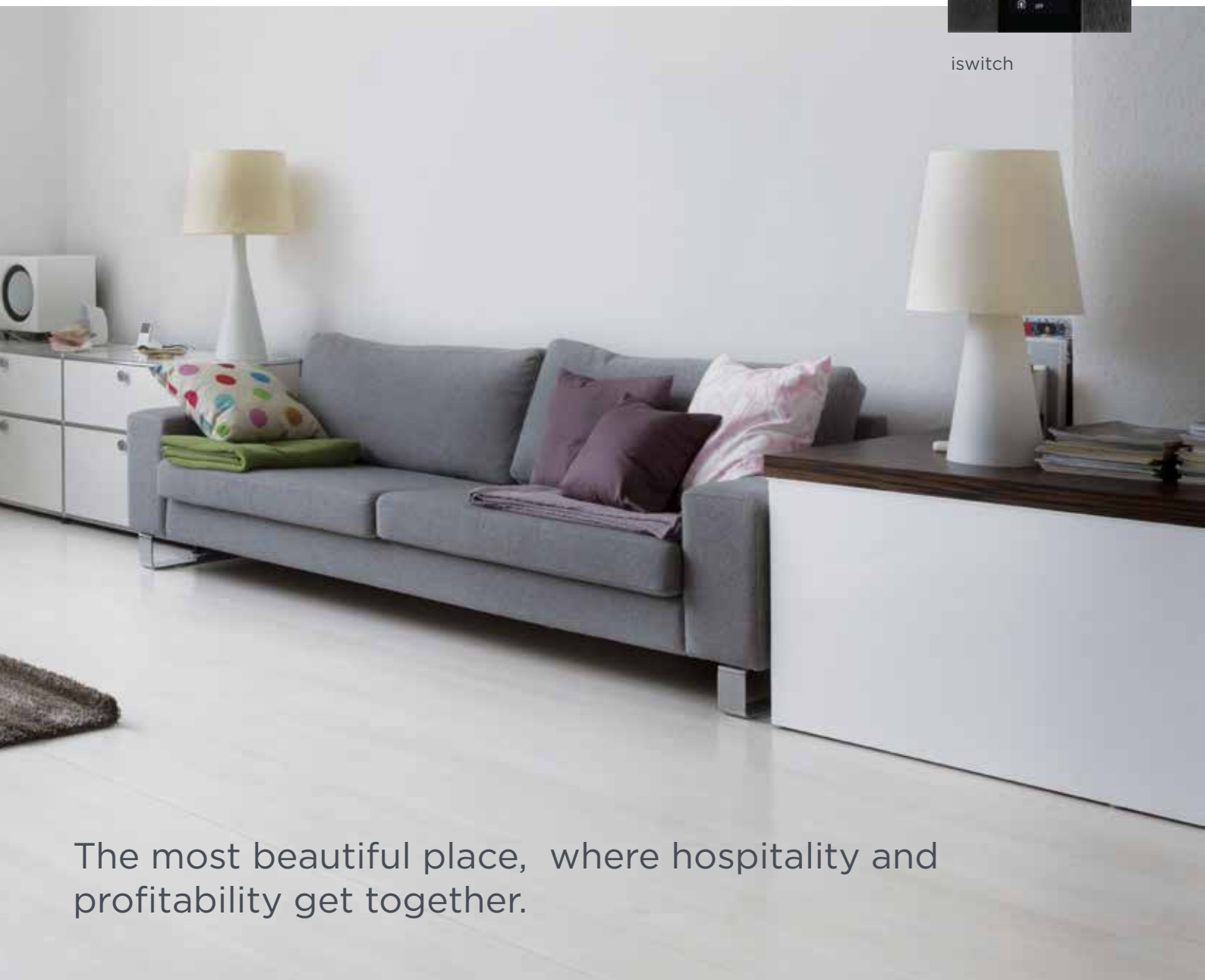
Individual welcome scenarios and various recallable room scenarios can also be selected here - whatever makes your guests feel most comfortable.



imini



iswitch



The most beautiful place, where hospitality and profitability get together.



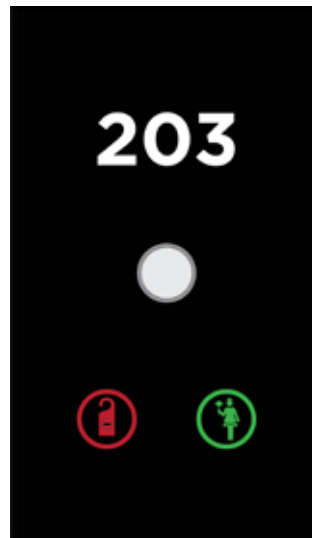
Design, Comfort, Harmony all in one!

Experience comfort and energy saving together with specially designed products that complement the concept in the rooms.

imini



DND/MUR



Iswitch



You can allow your guests to interact with the facility more by enabling the use of hotel services/other services via touch panels and mobile devices.



You can allow many activities such as SPA, Taxi, cleaning, sports, concerts, meals etc. to reach the room guest. You can contribute to a unique experience and to the image of the facility by providing this in an interactive way.

The concierge/services are completely flexible and they have a structure that can be shaped according to the facility. All services of the facility and informational advertisements can be delivered to rooms and mobile devices via concierge service.

Mobile control, Interra Pro applications package is available to VIP users on all operating systems and platforms.

You can do all room controls with a single touch.



Get Ready for a Unique Experience with New Hotel Room Scenarios

Do you need a simple solution that allows you to control all of the electrical applications in hotel rooms? Interra offers you a unique combination of iConnect.

You can achieve the highest customer satisfaction with products and systems designed to be used comfortably by all age groups.

Room Scenerios

- Housekeeping
- Economy
- Custom modes
- Air conditioning scenarios
- Comfort mode
- Sub comfort mode
- Welcome scenarios
- Check-in
- Check-out
- Sleep/Night modes
- Frost protection



KNX

a powerful protocol for connecting your hotel



Guaranteed compatibility

For over 20 years, the KNX logo has been a stamp of approval on products, indicating they can communicate seamlessly with each other, even when produced by different manufacturers. Today, KNX is a guarantee of flexibility for anyone wanting to extend or modify their facilities.

Seamless continuity

The KNX community is extensive, giving the protocol a unique power in the building automation market. Thanks to its broad range of products, KNX provides a solution for every situation.

**KNX - The world's first open, royalty-free, platform-independent home and building control standard.
Europe (EN 50090 - EN 13321-1) has been accepted as the world standard (ISO / IEC 14543).**

490
members

190
countries

489
training centers

156
scientific partners

8000
certified products

21,000
ETS user

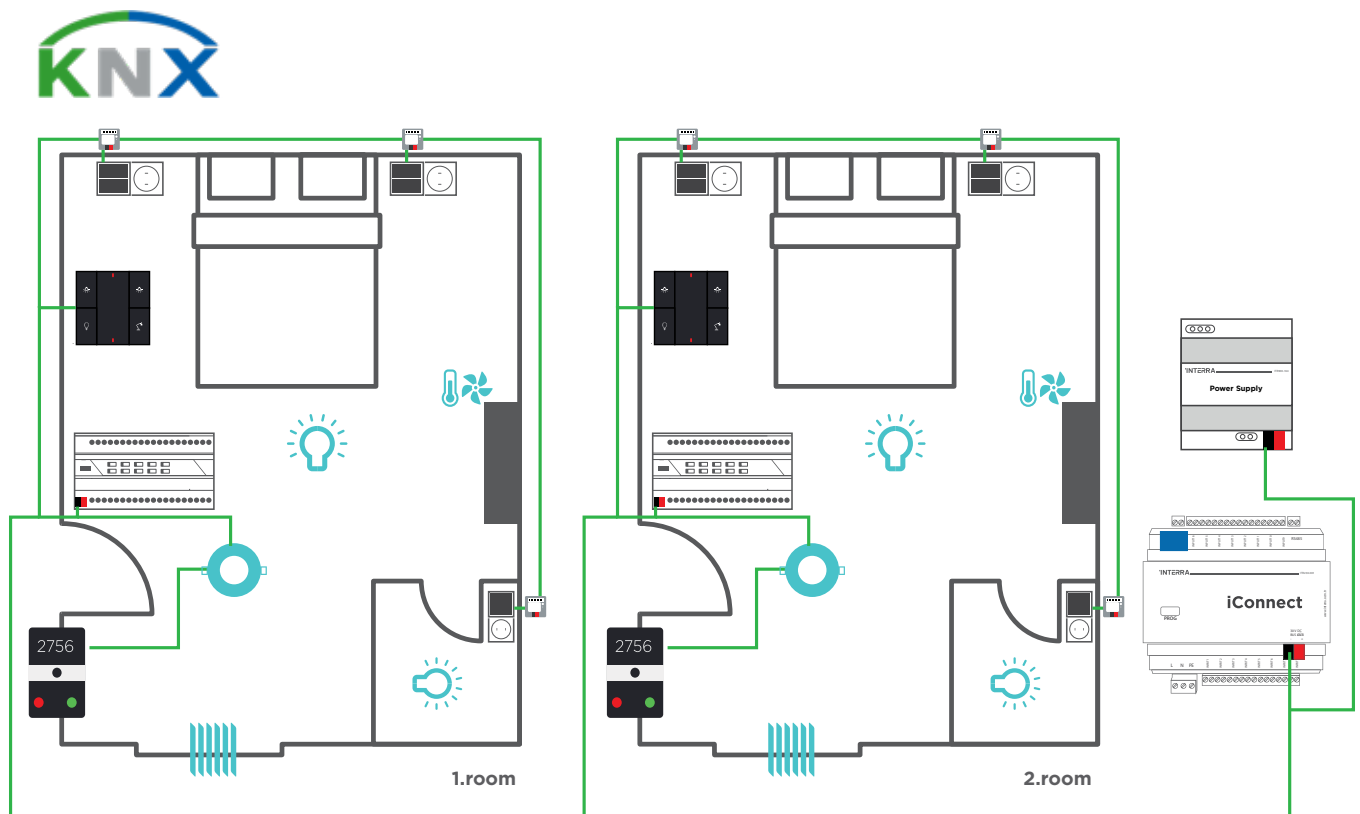
KNX delivers exceptional flexibility for your installations.

An example of KNX topology:

By choosing KNX technology, you'll give yourself complete freedom with your system design. Almost anything is possible. How does it work? Up to 64 KNX devices can be connected to the bus in a single line (including the coupler). The main line can have as many as 15 sub-lines. And each line or area needs a power supply and a line/area coupler.

Simple Planning

- Revisions and expansions are no problem
- Allows independent devices to work together
- Complex requirements can be realized with minimal effort
- Allows central observation and control
- Reduces operational and energy costs



Unlimited logic and scenarios with **INTERRA**

Lighting



Blind / Shutters control



HVAC system



Audio / video integration



Visualization & control



Guest room management



Energy management



Load management



Security alarm



Integration with BMS



Interra Products



Interra is a company that develops both software and hardware with its R&D teams experienced in the field of automation.

Touch Panel



Iswitch



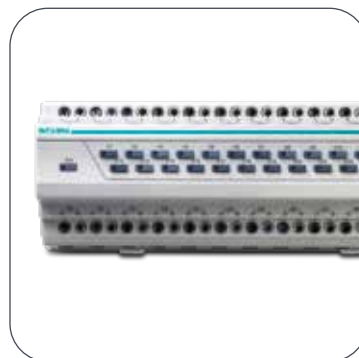
Imini



DND/MUR



Combo



iConnect



DALI Gateway



IP Control



Home Server



By aiming each product to primarily comply with high-quality standards, the company uses the highest quality components.

4 Channel 1.5A Universal Dimming



6 Channel 0-10V Dimming Module



DMX Gateway



Daikin Gateway



EIO Module



IR Emitter



Mitsubishi Gateway



KNX Power Supply



SIP Server



With this vision, Interra is a leader in the primary local and environmental markets, and is one of the important players in the global arena.

KNX Mid-Range PIR Sensor n Gateway



KNX Wide-Range PIR Sensor



KNX Indoor Microwave Sensor



KNX Outdoor Microwave Sensor



Higt Bay KNX Presence Sensor



Outdoor KNX Movable Motion Sensor



KNX Flood Detector



Con. Flood Detector



Some of Our Global References



Swissotel
Bosnia



Radisson Blue
Dakar



Infantes Sagres
Porto - Portugal



Baba Beach Club Hua Hin
Luxury Pool Villa Hotel
Thailand



Hyatt Regency Tashkent
Uzbekistan



Hyatt Regency
Iraq



Best Western LVIV
Ukraine



Marriott Hotels
Azerbaijan



Radisson Blue
Turkey



Otel Sheraton Grand
Turkey



Yyldyz Hotel
Turkmenistan



Marriott Hotels
Turkey



Products that make a difference with research and development...

Interra is a company that develops both software and hardware with its R&D teams experienced in the field of automation. By aiming each product to primarily comply with high-quality standards, the company uses the highest quality components. With this vision, Interra is a leader in the primary local and environmental markets, and is one of the important players in the global arena.

Each Interra product is designed to be unique. None of the products in the product palette are ordinary. They have features in their details that make them unique. This is the basic philosophical approach of Interra. It is a great mission in which great experiences are mixed with product parameters such as touch panel, iswitch, combo etc., and form and design.

Complementary products...

Interra has provided the most needed solutions with the products it produces. Be it a residence or a commercial building, you can provide the most optimal solution with Interra.

INTERRA develops integrated solutions for international systems such as KNX, IoT, Bacnet, and Modbus in all of its projects. Thus, without having to be bound by time, it finds a market area in many regions of the world, especially in Europe, with its sustainable solutions.

More Than
5000
Smart Solutions
With Interra
Comfort



INTERRA

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Mobil Application



AppStore



PlayStore



Web