



INTERRA

SMART  
BUILDING  
AUTOMATION  
SYSTEMS


YONNET

Smart Buildings Automation System



# SMART BUILDING AUTOMATION SYSTEMS

Innovative solutions  
which makes easy your life...



# New standards



## Smart buildings are redefined by Interra

We offer unique solutions for touch panels, software products, other hardware and smart building automations with Interra. Alongside exclusive concierge services we provide for residences; we create personal and project-specific boutique hardware and software solutions.

Along with these services, we provide building concept consultancy service to many construction companies above a certain scale.

$$BT = \langle t_i - t_p \rangle$$

$$\rightarrow TC_i = \sum_i comp_i + rex$$



Yönnet  
Turkey's fast growing  
R&D company...

## Manage your life with Interra solutions...

As Interra brand, we produce smart building and automation systems and give R&D service at the same time. With our highly equipped staff, we are the R&D company making the fastest progress in the sector. We support our projects developed by our expert engineers with our innovative and ever-growing product range. When achieving this, we produce the basic materials we use for our products by using completely local sources.

In addition to the technology solutions we offered, we put our signature under many projects making a major contribution to the national economy, in cooperation with Tübitak. The most important issue we pay attention when using Smart Building Automation Systems technology for our projects is to perform our works in harmony with nature.

# Makes itself admired

Interra mini, more comfort  
and more control  
with the new generation  
unique touch panels.

Imini says "hello" with 2 different types of touch panels and touch switches.

## GENERAL INFO

6.5" Touch screen  
Capacitive Multi-touch  
Temperature sensor  
Ambient sensor  
IR Transmitter  
Microphone  
Speaker



Single device,  
many features



Imini

# Contents

09

## SOLUTIONS

Residence Solutions	10
Mobile Solutions	19
Hotel Solutions	22
Customised Solutions	30

32

## PRODUCTS

Interra Touch Panel	34
Imini	36
Is witch	38
Interra Intercom	40
KNX Modules - Interra Combo Module	42
Interra Gateways	44
KNX Modules - Input Module	46
Interra EIO	47
Interra SIP/IS Server	48
Power Supply	49
DND/MUR	50

53

## REFERENCES

10

Rezidans  
Çözümleri

19

Mobile  
Solutions

22

Hotel  
Solutions

34

Interra  
Touch  
Panel

36

Imini



# Sustainable comfort, saving energy and safety, all in Interra.



It has been never so easy to control your house. All the functions you need may be controlled and captained by Interra touch screen or your smart devices. By means of smart solutions provided, you will not have to worry about incidents such as burglars breaking in, light left on, or a broken window glass. Feel the difference of safety and comfort by managing all the solutions on a single platform with Interra.

## Interra Comfort

---

You can do all the adjustments you need in the exhausting pace of your daily works with the touch panel. You can book a place for spa, call a taxi, see the announcements and messages from the residential management. If you wish, you can also control these exclusive services on your smart devices.

## Energy Saving

---

Performing all the controls in your house within the scenarios, you can set the most appropriate energy level for your needs by yourself. With automatic measurements performed by the system, you can maintain the control of the functions like lighting, heating and cooling in living spaces over a single panel. By this means, you can save by avoiding unnecessary energy losses.

## Everything's Fine

---

One of the biggest challenges of the modern world is the problem of access to information. By means of residential management integration, you can access to all of your data over a single screen in the most accurate and fastest way. Besides, by the mobile integration system, you can connect to all of your data through your smart devices.

## Be Secure

---

By means of the solutions that maintain your safety without any problem, you can monitor all your security system including the safety warnings such as breaking of a window glass over your mobile devices and intervene. By this means, you can make sure of your safety and concentrate on your daily works more easily.

# INTERRA



Feel the difference





## Innovative solutions which makes easy your life...



### Residence Solutions

---

The most special solutions are meeting you with the privilege of Interra. It's time to get rid of dozens of tiresome control mechanisms. All the controls needed in residences may be performed over a single point easily with Interra. Enjoy savings by performing control with Interra smart residence solutions.

### Hotel Solutions

---

It is the most important priority of hotels to ensure the customer satisfaction and to create appropriate solutions for the problems encountered in the hotel and get prompt results as well. Through the EIO Module, you can reach the right solution in the fastest way by managing all the control mechanisms from a single location. You can program the central server software and room-oriented scenarios via the network via the EIO module developed for hotel automation; so you can provide comfortable service for your guests in a simple and efficient way. Let your customers experience the service comfort which provides savings and convenience thanks to the EIO Module's adaptability to all systems.

### Mobile Solutions

---

You can perform the control of the solutions offered for hotel, building, residence and all other constructions by Interra through your smart devices. So, you can remove the concerns about the lights left on or the possibility of fires from your daily worries; and you can focus on your life and yourself.

### Customised Solutions

---

The most special solutions for all imaginable needs are offered in the most professional way with Interra. Thanks to project and solution offers developed by our expert engineers, all the projects you dream come true.

## Decide on your life scenario by yourself

Via Interra Touch Panel, execute all the applications you need just with a small touch.

You don't have to deal with tens of systems at your home by yourself. You can easily control the video intercom, lights, heating system, jalousies and alarm system by the help of a single control display. You can activate the scenarios you set before for the time you are not at home, and make sure that your house is in safety.



### Communication, Intercom

You don't need to be worried about how you can communicate with your guests more easily anymore. Over the IP based phone and video intercom in front of the building, you can greet the guests at your door, communicate with them if you wish.



### Concierge

The services menu offers the solution key of all the problems you can encounter in your house. Taxi for your guests, janitor for your house's daily cleaning, valet for your car... Everything you need is available on the services menu.



### Road Conditions

Perhaps the biggest problem in crowded cities to be overcome is traffic jam. You can prefer a more streamlined route by finding out the most appropriate route with the road conditions information provided over the internet. By this means, traffic will be no longer a nightmare within the day by the help of the reliable road condition information.

# 5-star life comfort by Interra...



## Announcements, Invoices

You can have information about all your invoices and fees; see the announcements from the residential management through your mobile devices instantly.



## Financial Markets

You can direct your investments by following the changes in foreign currencies and gold with instant data obtained from the Central Bank.



## Timer, Scenarios

All the scenarios you configure are started with a single touch when going out or arriving at home. You can also create time-based scenarios that you want to carry out and enjoy the comfort you desire within the time period which you determine before.



## Air-conditioning

Unused systems are no longer a reason for unnecessary energy consumption. With Interra airconditioning solutions, you can determine the active working time of heating-cooling functions of your house. You can save thanks to air-conditioning system adapting your house with a perfect integration.



## Weather Forecast

On Interra's screen you can see the instant weather forecast in your local.



## Alarm, Security

You can avoid the potentially bad scenarios at home thanks to residential management system that is compatible with alarm and security systems. The residential management system may be integrated with other electronic devices, therefore, in case of danger, residential management is informed via message and security is provided instantly.



## Lighting

Reach at the lighting level you desire along with savings by performing all lighting controls through a single touch panel.





# Residence Solutions



## Lighting

With Interra, your living spaces experience the age of enlightenment. By controlling the lighting systems in your living spaces with Interra technologies, you can provide the desired lighting perfectly.



## Air-conditioning

With Interra air-conditioning solutions, you will feel the spring breeze in your living spaces during all seasons. You can control heating-cooling systems in your living spaces over a single center, and determine their working time. So, you can reach the temperature level you desire along with savings.



## Curtain-Blind

You can inspire your living spaces by controlling your curtains-blinds through the touch panel.

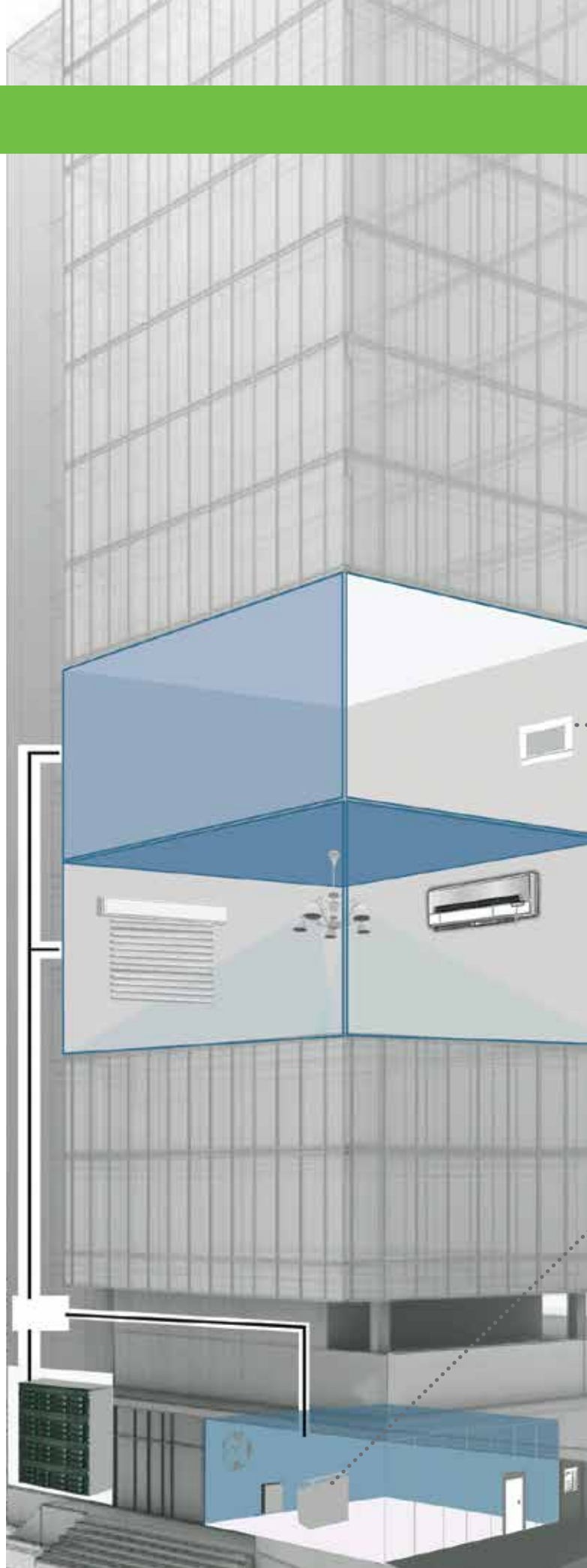


## Counter Meter

Thanks to smart metering equipment keeping your invoices at a reasonable level, you will be able to be informed about monthly amount of energy consumed at home.

## Rack kabin

- SIP Server
- Concierge Server
- Network Products
- Firewall



# Interra comfort in residences...

Enjoying the comfort in residences is just a click away. Everything needed in residences from calling a janitor to calling a plumber, from calling a taxi for the guests to valet service, is carried out instantly with Interra Touch Panel.

- Interra Touch Panel  
Interra Concierge Server



Spa



Taxi



Modifications



Messages



Valet



Residential  
Management



Cleaning Service

- Reception  
IP-based communication



- IP Telephone
- Camera

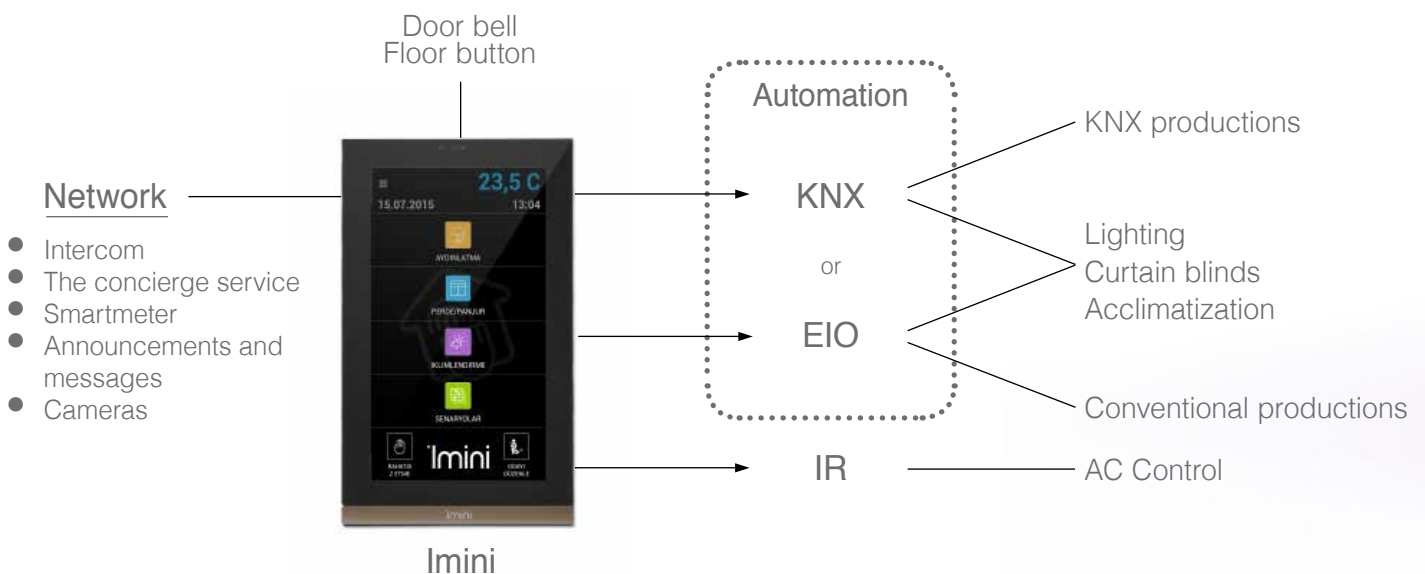
- Intercom  
Ring panel with also providing camera



## Imini

The new generation touch-panel Imini opens the doors to a new lifestyle of housing. By providing more control, Imini meets you to a simpler life. Will be a significant helper with its features by having building communication applications (intercom and concierge services), messaging management, and receiving announcements.

- Dynamic user interface
- All automation controls
- Lighting, curtain blinds, acclimatization
- AC (Air conditioning)
- Concierge Services
- SIP intercom
- Messaging, announcements, suggestions and complaints



Frame options: Black, stainless steel, aluminum, or personal manufacture



# Compact, strong, universal

Imini means the new control unit to all smart building technologies. All functions such as light on/off or dimming, curtain-blinds control or controlling the room temperature can be performed with ease.

New user interface provides automatic time-control functions programming or comprehensive scenario managing.

Imini enters our life by bringing different perspective with its vertical design and unlike its name it provides numerous attributes. Carrying the latest product to life with its simple interface, the product can be used effortlessly for each age group.

This creates great satisfaction in terms of the appliers; it can be comfortably mounted with double standard electrical boxes. By its slim design and stylish appearance it pleases architects.



## Iswitch

Containing multi-functions within wide variety of materials and colors, Imini is preparing to take its place on stage with the latest technology of VATN Screen. Lighting and thermostatic controls are performed simply on screen as well as the home modes. With integrated lighting and temperature sensors it provides to command the places automatically.

- Working with KNX bus voltage, it does not require a power source
- Integrated temperature and humidity sensors
- Integrated light sensor (1/64k Lux)
- RGB status leds and blue steering leds
- Up to 12 Configuration Buttons
- Wide material and custom color options
- Color theme and contrast can be defined via ETS
- It can be used as stand-alone unit control room
- Automatic proportional integral control
- Room / living area adaptation
- Mechanical buttons on the back of the screen



white plastic



rose aluminum



satin black aluminum



stainless



champagne aluminum



black glass

# The new form of smart switch

PI CONTROL

Iswitch, with the new generation of automation switch can provide self-directing. For instance, the ambiance detector automatically adjusts the place's light level according to the change. Moreover, through Iswitch PI control feature, it can learn spontaneously and perform desired functions in the room.



white glass



## Interra Intercom

It offers a unique elegance and comfort in building communications, the quality of communication in the SIP standard with interra touch-door unit. The story has started with traditional doorknob and came to the most technological point, Interra intercom.

### GENERAL FEATURES

- Android operating system
- 5 Mp camera
- 120° camera angle
- 30° left and right rotatable camera
- Touch-screen
- Loudspeaker
- Optional screen protection application
- KNX input
- Slim elegant appearance
- Optional ability to view logo on screen



Color options; black, stainless steel, aluminum.

## Smart building technology meets mobile devices...

Contrary to deal with each device, Interra provides the control of the system in your place. Through the agency of smart devices, switch off all the lighting if you wish to, or just make your room into a movie theater. Without even leaving your seat, you will be able to set rules for all devices in your place.

### MENU in mobile software

- Smart home-control
- Scenarios
- Cameras
- The concierge services
- QR code reading feature and adjustment saving
- Other Menus (site management, messages, alarm and settings)



Automatically gets registered by mobile devices through reading the QR Code.



# Smart building technology is now being realised exactly in mobile devices

Thanks to Interkom, you can welcome your guests with your voice and video.

Security warnings are transmitted to smart devices instantly.

All curtains-blinds in the house are controlled through smart devices.





Security footage may be watched through smart devices.



INTERRA



# Hotel Solutions

## By Interra VIP service for all our guests...

All services offered in hotels along with the combination of Touch Panel, KNX products and residence software solutions are provided with instant access dynamically.

A perfect service quality is provided in hotels with Interra. It is enough for you to look at the control monitor to meet the demands of your guests coming to the hotel precisely. So, when your guests press the “don't disturb” or “clean my room” button, you will have the opportunity to offer the fastest solution that is appropriate for their needs. Thanks to the solutions prepared considering all the situations that may be encountered in hotels, you can host your guests in the most comfortable way.

With the other features within the system, you can avoid operation of the air conditioners in case the windows are open and control all the lightings by the help of the button on the nightstand.

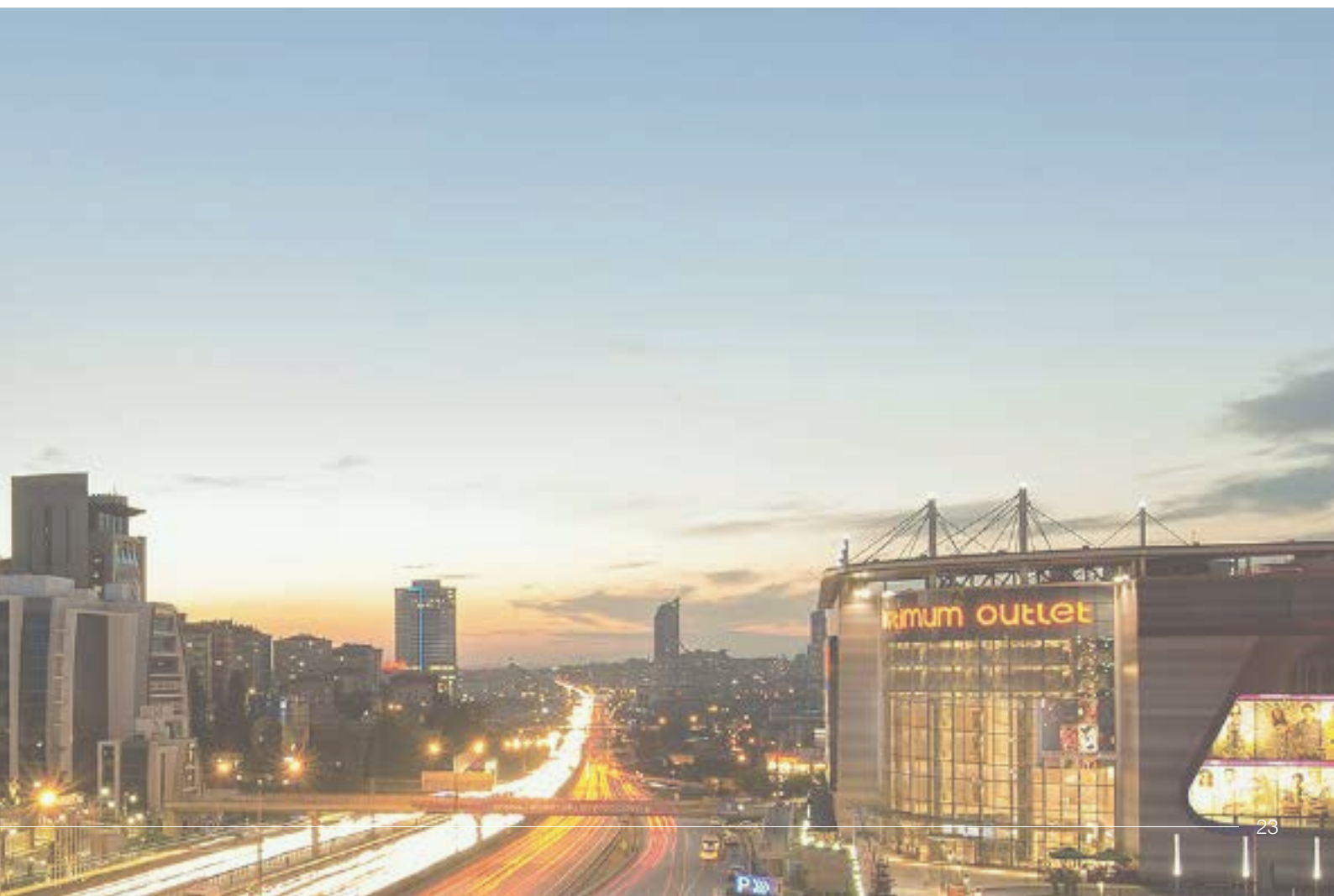




We give priority to customer comfort and high quality service in the tourism, hotel management and accommodation sectors.

We give particular importance to customer comfort and high-quality service manner in accommodation, tourism and hotel management sectors. You can meet the needs of your guests over your control displays in a fast and efficient way instantly. As soon as the hotel cards are inserted by your guests into the card readers available in the rooms, you can control and monitor all of their demands through a single screen. Thanks to preset scenarios for any situation, you can keep your high quality permanently.

With the I/O module that is integrated into the Hotel Management System, you can manage the central server software and room oriented scenarios over the network; so you will offer a perfect service for your guests in the easiest and fastest way.



# Hotel Solutions



By Interra, a new life  
is taking shape at hotels

You can meet your guests' needs easily by controlling your lighting, airconditioning and curtain-blind systems over a single center with Interra.



- Through the scenarios that make the service quality permanent at hotels, you can host your guests without any problem.
- Through its magnetic-contact control mechanisms working with card reader and sensors, you can meet all demands and needs of your guests without any problem.
- Temperature levels are kept constant within the predetermine scenarios and when employees enter the room, only the lighting system works.
- While your guests check in, the “check-in scenario” gets activate and the most ideal temperature level is set instantly.
- As soon as your guests enter their rooms, The “Wellcome scenario” gets activated automatically and the most ideal lighting level is created.

House Keeping

Check-out

Check-in

Sleep/Night mode

Custom Mode

Welcome

Air-conditioner cenario

Through Interra, you contribute to energy efficiency by saving energy and maintain your comfort as well.



- When your guests press the buttons “don't disturb” or “clean my room” in the room, the notifications are transmitted instantly to the DND/MUR unit and the central server.
- When the room windows are opened, the air-conditioning system stops working automatically and prevents unnecessary energy consumption.
- To protect the electronics in the room from the cold, the room temperature is guarded and any negative situation is prevented in advance.
- Through the lighting system, your guests keep using their rooms with the last lighting level setting they left..
- The system provides comfort for your guests and savings for you by detecting whether the room is vacant or not.
- The lighting system was designed not to disturb your guests in entrances and exits.
- General scenarios are used to offer the same comfort to your guests in four seasons.
- Under bad weather conditions or when the sun becomes effective, the system activates the curtains - blinds of the rooms automatically.

Your demands determine the boundaries of the infinite scenario variety of Interra



# Hotel Solutions



With EIO  
VIP service for all our guests

With Interra technologies, while the control of living spaces is performed perfectly, cost-effective solutions are offered at the same time.

Interra EIO, meets all your needs quickly by communicating with the center over the network. With its special temperature and humidity inputs, it assumes the control of heating and cooling systems.

EIO



FEATURE	EIO	KNX
Lighting Control	✓	✓
Curtain-Blind	✓	✓
FCU	✓	✓
Scenario Operating	✓	✓
Communication with the Server	✓	✓
Room Monitoring (IS Server)	✓	✓
DND Access	✓	✓
Dimm Control	✓	✓

KNX and EIO products provide all the solutions you need for your projects such as lighting, air-conditioning, curtain-blind control and integration with hotel management softwares.

Now EIO has integrated dimmer, so you don't need any additional device to dimm.

# With KNX Perfect service quality

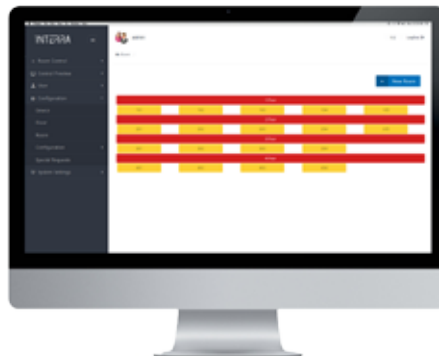


Comfort and savings are presented together with KNX products.

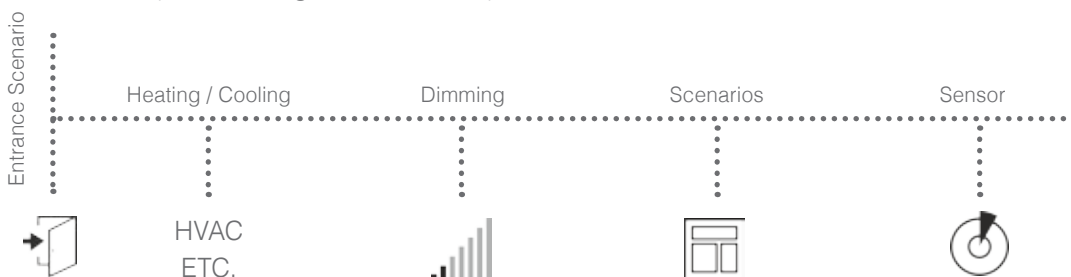
KNX products make your places easily controllable and enable you to make more than one action at the same time. Through Combo modules, touch panels, switches-sockets and detectors used in KNX system, you can perform the control of curtain-blind, air-conditioning and lighting easily. All the products used in KNX system are certified and passed all the required tests.



IS Server (Hotel Management Software)

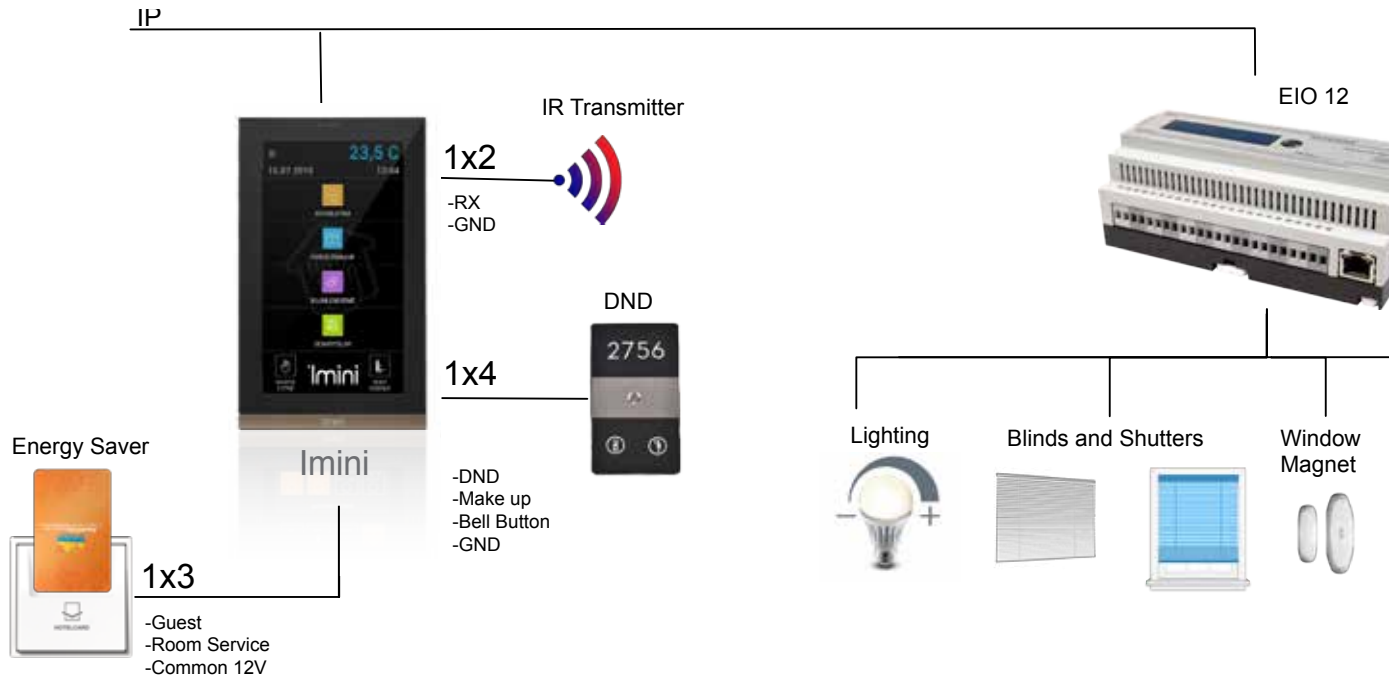


Hotel Room

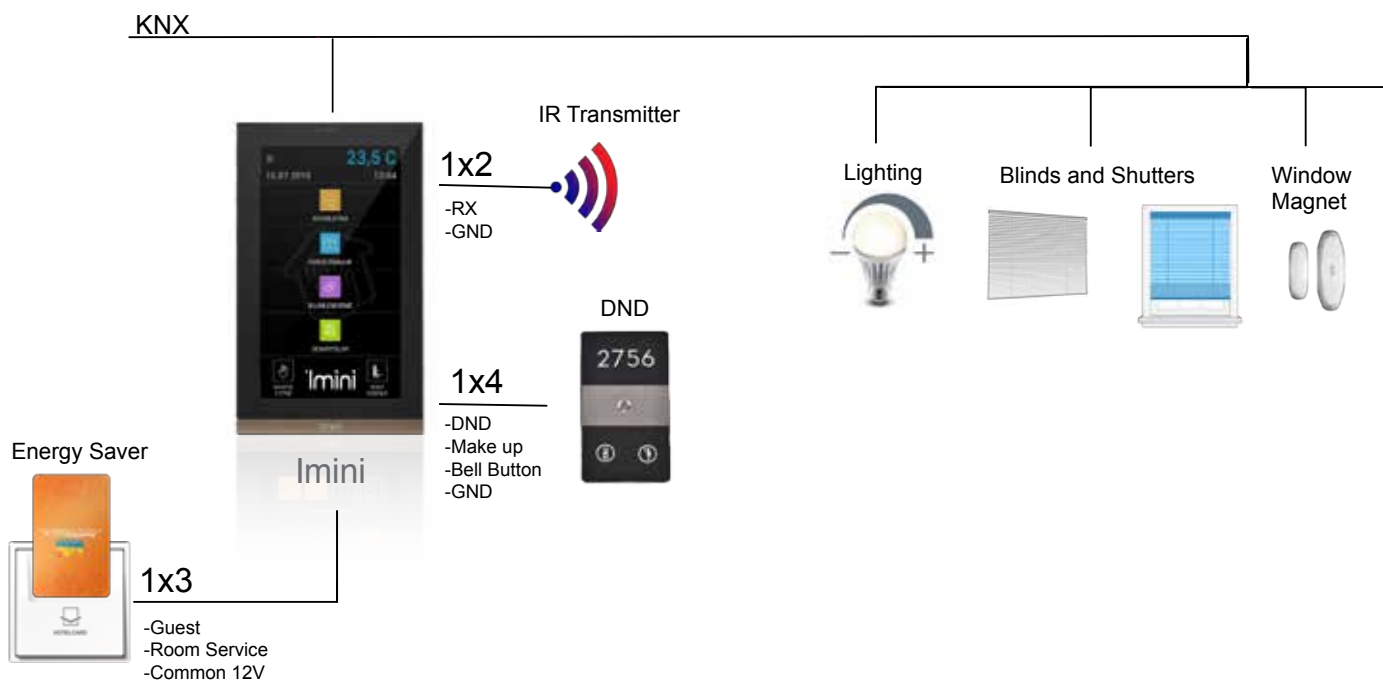


## Room control structure

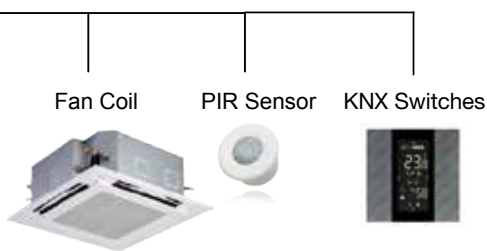
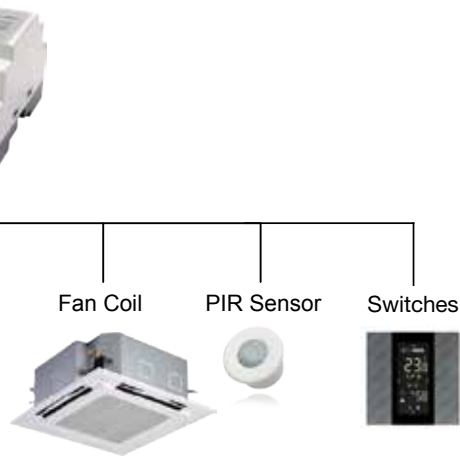
### HOTEL USE CASE: IP



### HOTEL USE CASE: KNX



# Manage your life with the thermostats feature



Imini makes possible;

- Imini can be used as a thermostat as well as switch, so more economical and comfortable solutions it can provide.
- With Interra App your guests can control the rooms via mobile.

Either through mobile or Imini your guests can assign “Clean my room” and “Do not disturb” signals. The signals and requests can be received instantly by Interra hotels server, so the staff gets informed. The main purpose is to improve the quality of service.

Offering the comfort to the guests, that they can't find in their home, is the Interra's solution.

# Customized Solutions

## Dreams turn into the real through Interra...

Catch the success with project and solution offers improved by Interra, always be ahead in your business.

You can make real all the projects you need with Interra. The projects you dream turn into the real through project and solution offers improved by highly skilled engineers in the field. It will be enough to share your ideas with Interra for giving life to your any projects you want to make. After that steps, you can move your job a step forward with creative solution offers prepared by Interra. By catching the success in your projects with Interra, you can save your dreams.





It is our task to achieve, if it is your dreams

For many years Interra is the most preferred brand in the field of smart building automations with its customized solutions. You can make a difference in your projects through solution offers created in the direction of customer demands. You can reach all the services you need in the fastest time ever in sector. Being ahead of your competitors is possible because of solution offers improved by highly skilled engineers in the field of Interra.



Is switch



The new form  
of smart switch



Hardware and software products that are appropriate for all smart building projects...

Enjoy the controlling of your comfort and safety from a single point.

Interra is advancing rapidly to be a company dominating the sector with concierge and software services offered. Thanks to Interra Touch Panel, all hardware and software solutions needed in smart buildings are provided just a click away. Generating the most appropriate solution needed for projects with its high-quality hardware, Interra also draws attention with its contributions to the national economy.

- Interra Touch Panel
- Imini
- Iswitch
- Interra Intercom
- Interra Combo Module
- Gateways
- Input Module
- Interra EIO
- Interra SIP Server
- Interra IS Server
- Power Supply
- DND / MUR

**INTERRA**

## Interra Touch Panel

The pleasure to control everything in your living spaces from a single point every moment with Interra Touch Panel will be indispensable for your comfort and safety.

### GENERAL FEATURES

Interra 4 Touch Panel which is preferred by those who seek a product with a modern design, hardware, software and a convenient interface that can respond to all project requirements, is designed to be used on any area or surface. The system offering the most appropriate solutions for all the needs in Smart Building Systems stands out in its field by combining comfort and convenience.

- Its CPU supports the platforms such as Android and Linux variants, Android 4.2.2, Debian Wheezy and Ubuntu-arm
- 10.1" ve 7" LCD displaye sahip.
- Thanks to its USB output, it can be controlled by connecting a mouse and a keyboard
- The system can run with 12 V DC power supply.



With Interra, a new life is shaping in residences, your house is very smart now with 7" and 10" touch screens.

### Interra Frame Color Options



## INTERRA SIZES

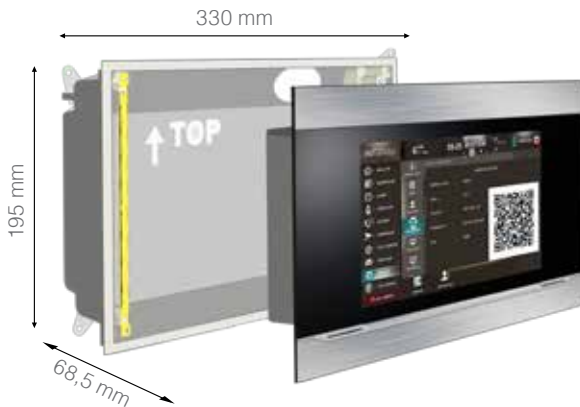
Interra offers you 10.1" and 7" Touch Panels being in the appropriate size for any place.



10.1 inch 345 mm ITR-110-0104



7 inch 260 mm ITR-107-0104



Interra 10.1" flush mounted receptacle ITR-110-9004  
Interra 7" flush mounted receptacle ITR-107-9004



## TECHNICAL FEATURES

CPU	ARM Cortex™-A7 Dual-Core 2 x 1.2 GHz
Memory	Min 1 GB DDR3
Storage	Min 8 GB with EMMC (sandisk) disc technology
Video	HD H.264 2160p video decoding H.264 High Profile 1080p@30fps or 720p@60fps encoding
Audio	Integrated HI-FI 100dB Audio Codec 2x15Watts speaker amplifier Analogue microphone with noise cancellation I2S Digital microphone connector 2 x 3W Speaker
KNX	Certificated by KNX.org
OS	Android 4.2.2 / Linux (Debian / Ubuntu / Fedora / tLinaro )
Working Temperature	-20 °C +70 °C
USB	2x USB-HOST with USB2.0 spec, 1xUSB-OTG



## Imini

Bringing all needed features in a living environment to a product, building communications; intercom and residence services, messaging management, announcements and with so on features it will be the most significant helper in homes.

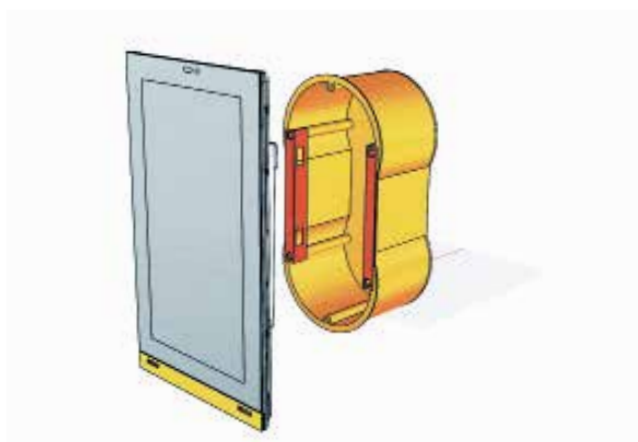


Options: black, stainless steel, aluminum.



## IMINI MEASUREMENTS

Installation-friendly, standard double way electrical box is suitable to mount.



Imini 6,5" touch switch  
Imini 6,5" touch android panel  
Imini flush mounted receptacle

ITR-110-0104  
ITR-165-1111  
ITR-165-9004

## TECHNICAL FEATURES

CPU	ARM Cortex™-A7 Dual-Core 2 x 1.2 GHz
Memory	Min 1 GB DDR3
Storage	Min 8 GB with EMMC (sandisk) disc technology
Video	HD H.264 2160p video decoding H.264 High Profile 1080p@30fps or 720p@60fps encoding
Audio	Integrated HI-FI 100dB Audio Codec 3 Watts speaker amplifier Analogue microphone with noise cancellation I2S Digital microphone connector 0.5W Speaker
KNX	Certificated by KNX.org
OS	Android 4.2.2 / Linux (Debian / Ubuntu / Fedora / tLinaro )
Working Temperature	-20 °C +70 °C
USB	USB 1x USB-HOST with 1xUSB-OTG
Entegrated Sensors	Temperature sensor Ambient sensor 2xIR (Infrared) sensor



## Iswitch

Iswitch, which can be used in the KNX and EIO systems, becomes the standard of comfort. Thermostat models, light and humidity sensors and equipped iSwitch 12 buttons (6 gang) are offered.



single button



1 gang



2 gang



3 gang



4 gang



5 gang



1 gang with screen



2 gang with screen



4 gang with screen

Custom products can be made.





## Interra Intercom

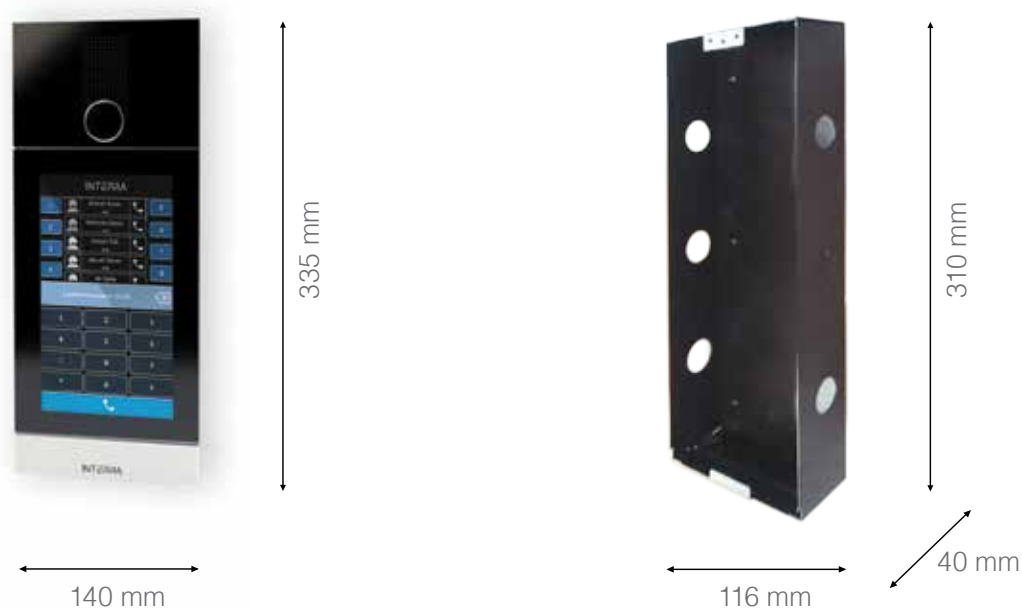
Interra offers elegance and comfort with touch panel intercom door unit. And device is able to take a role in your building scenario thanks to KNX input.

### GENERAL FEATURES

- Android operating system
- 5 Mp Camera
- 120° camera angle
- 30° left and right rotatable camera
- Touch-screen
- Loudspeaker
- Optional screen protection application
- KNX input
- Slim elegant appearance
- Optional ability to view logo on screen



## INTERRA INTERCOM MEASUREMENTS



Intercom ITR-601-0011

## TECHNICAL FEATURES

CPU	ARM Cortex™-A7 Dual-Core 2 x 1.2 GHz
Memory	Min 1 GB DDR3
Storage	Min 8 GB with EMMC (sandisk) disc technology
Video	HD H.264 2160p video decoding H.264 High Profile 1080p@30fps or 720p@60fps encoding
Audio	Integrated HI-FI 100dB Audio Codec 2x15 Watts speaker amplifier Analogue microphone with noise cancellation I2S Digital microphone connector 1 x 3W Speaker
KNX	Certificated by KNX.org
OS	Android 4.2.2 / Linux (Debian / Ubuntu / Fedora / tLinaro )
Working Temperature	-20 °C +70 °C
USB	2x USB-HOST with USB2.0 spec, 1xUSB-OTG



## Interra Combo Module ITR5XX SERIES

Thanks to KNX products, all hardware and software solutions needed in intelligent building can be achieved easily. Owned, which allows access to the most appropriate solution is needed immediately for projects with high specific hardware KNX products, helps reduce energy costs by increasing the comfort of your living space.



KNX products, places can easily be controlled by making offers less work and more leisure facilities.



ITR504-16A-01



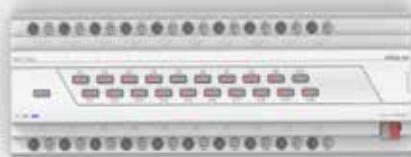
ITR506-16A-02



ITR512-16A-02



ITR516-16A-01



ITR520-16A-01



ITR524-16A-01

## GENERAL FEATURES

- Physical Addressing Button

This button is used to give a physical address to devices and to verify the bus presence. The red led switched on means the presence of KNX bus and the device status as physical addressing.

- Manual Control Button

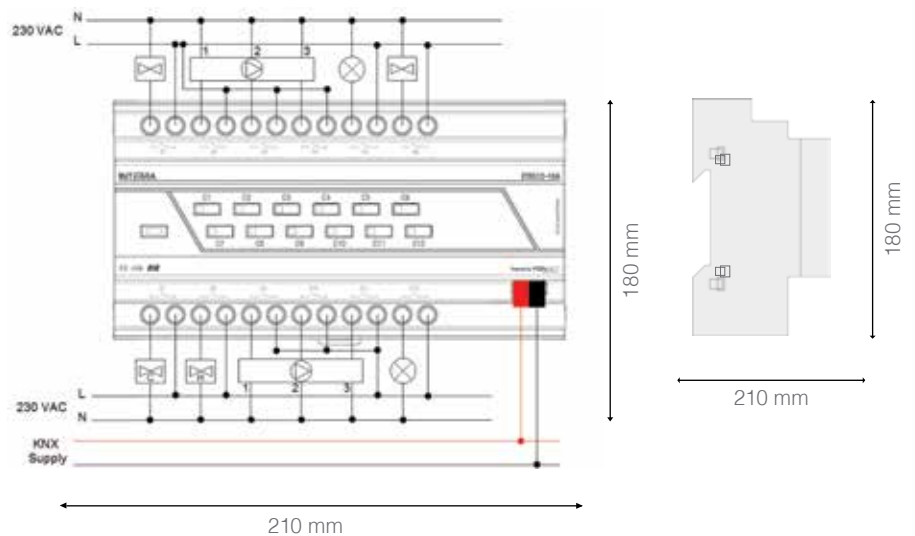
Via the push buttons present on the device, the load connected to outputs can be controlled. This manual control has priority over the commands from the bus KNX.

- Status Led

The button led indicates the status of the outputs. When the green led is on, the output relays are closed.

## FUNCTIONS

- Lighting
- Heating
- Curtain-Blind
- Curtain-Blind 24V
- Fan Coil 2 conduits
- Fan Coil 4 conduits.



## TECHNICAL FEATURES

Power Supply	EIB Power Supply
Power Consumption	Maximum 0.3 W
Number of outputs	4, 8, 12, 16, 20 or 24
Output Current	16A@250VAC, 80A inrush
Mode of commissioning	S-Mode
Type of Inputs	Dry Contact Inputs
Type of protection	IP 20
Temperature Range	Operation (- 10°C ...70 °C)
Storage	(- 25°C ...100 °C)
Maximum air humidity	<90 RH
Flammability	Non-flammable product
Mounting	DIN Rail
Dimensions	4/8 outs: 105x90x65mm (WxHxD) > 6 DIN units 12/16 outs: 171x90x64mm (WxHxD) > 10 DIN units 20/24 outs: 247x90x64mm (WxHxD) > 15 DIN units
Certification	EIB-Certified



## Gateways

### IR-KNX GATEWAY

- Communication with KNX supported devices
- 8 channels and 4 channels models
- Control up to 8 devices at the same time
- Increasing device support by learning mode
- Control through ETS

### mitsubishi electric- KNX GATEWAY

- Provides complete integration of Mitsubishi Electric AC with KNX bus.
- Provides a fully bidirectional integration (controlling and monitoring) between AC indoor unit into KNX.
- Provides 3 binary inputs to integrate into KNX (ie. motion detector, evacuation pump, pushbutton).
- Provides extra communication objects for every commands (bit or byte objects), and separated control, feedback objects for giving maximum flexibility.
- Includes 4 logical and 8 converter advanced parameters for energy savings, configurable scenes, temperature limits etc.
- Provides AC unit error notifications for exception errors.
- Simple installation, can be installed inside the AC indoor unit. It doesn't require any power supply.

### mitsubishi electric G50-KNX GATEWAY

- Provides complete integration of Mitsubishi Electric City Multi AC with KNX bus.
- Gateway connects to Mitsubishi City Multi AC system by ethernet connection.
- Allows access and control 50 AC indoor units. and 50 groups of indoor units.
- Gateway is configured using windows application, this application doesn't require any cost.



ITR-888-0002



ITR-830-0001



ITR-830-0002

## TECHNICAL FEATURES

Power Supply	12V DC, 500 mA
Configuration	Configuration through Windows application
Capacity	Up to 8 different devices, 50 different command support per device
Dimensions	105x90x65 mm

## TECHNICAL FEATURES

Power Supply	29V DC, 10mA (EIB Power Supply)
Binary Inputs	3x Dry Contact Inputs
Configuration	Configuration with ETS
Dimensions	40x10x40 mm
Type of Protection	IP20
Flammability	Non-flammable product

## TECHNICAL FEATURES

Power Supply	12V DC, 500mA
Storage	Logs can be store up to 3 months
Configuration	Configuration with Windows application
Dimensions	170x65x90 mm



## Input Module ITR1 SERIES

Input module is placed at the bottom case of the switch. And it helps ensure the KNX controls over conventional switches. However, it has the ability to convert any kind of contact signal to KNX signal.



ITR102



ITR104



ITR106

### TECHNICAL FEATURES

Power Supply	EIB Power Supply
Power Consumption	50 mW
Number of outputs	2,4 or 6
Mode of commissioning	S-Mode
Type of Inputs	Dry Contact Inputs
Type of Protection	IP 20
Temperature Range	Operation (- 40°C...70 °C)
Flammability	Non-flammable product
Mounting	60mm diameter flush mounting
Dimensions	40x10x40mm (HxWxD)
Certification	EIB-Certified

## Interra EIO

EIO Module is an electronic device used in building automation systems.

The digital I/O module is available with EIO 8, EIO12, EIO12 + Dimmer\* outputs. Additionally sensors module, which allows temperature, humidity and water flood detection, can be added. The EIO module can work as standalone or inside an IP network with Interra touch panel and Interra Server software solutions. The inputs/outputs can be configured freely depending on the project needs.



ITR-212-0003

\* 300 Watt, universal dimmer

EIO has expanded its product with the new additions M 8, 12 and EIO EIO 12 + dimmer (300 W).

### FUNCTIONS

- Lighting.
- Heating.
- Curtains-Blinds
- Curtains-Blinds 24V.
- Fan Coil 2 conduits.
- Fan Coil 4 conduits.



ITR-208-0002



ITR-212-0002

### TECHNICAL FEATURES

Power Consumption	0.9 W
Number of binary inputs	8, 12, 12+dimmer
Number of binary outputs	8, 12, 12+dimmer
Water Flood Sensor	1
Digital Sensors	2x Temperature and Humidity
Input Voltage	100-250 VAC@50Hz
Contact Capacity	Inrush type (16A, Inrush current 100A)
Type of protection	IP 20
Ambient temperature range	- 10°C...70 °C
Dimensions	60x91x158 mm (HxWxD) → 9 DIN units
Weight	390gr

## Interra SIP Server

Interra SIP Server is a product which ensures video intercom services and controls the traffic.

SIP Server is powered by a 12V-2A DC power supply. This power supply has a special green coloured 3pin connector which is a terminal block in industrial grade. Pin indications are written on the plastic case. Middle pin is for EARTH connection and it is obsolete. The reset button on the top cover is used to “Hard Reset” the device manually. This button has an LED indicator. If system is powered, this LED lights on.



Rack tipi  
ITR-810-0001

## Interra IS Server

Interra IS Server is a product playing a key role to provide comfort and easiness to living areas.

Thanks to IS Servers playing a big role reporting service in hotels and touristic facilities integration of the systems with each other, the quality of service can be made permanent in hotels and touristic facilities. According to the usage status of the hotel rooms, Interra IS Server plays a key role in the transmission of instant information center. INTERRA SIP Server is an electronic device used in building automation systems.



Rack tipi  
ITR-820-0001

### TECHNICAL FEATURES

Power Supply	12 V 1.2A
Power Consumption	3 W (nominal) - 10 W (max)
CPU	ARM® Cortex™-A7 Dual-Core 2 x 1.2 GHz
Memory	Min 1 GB DDR3
Storage	Min 8 GB with EMMC (sandisk) disc technology
KNX	Certificated by KNX.org
OS	Android 4.2.2 / Linux (Debian / Ubuntu / Fedora)
USB	2x USB-HOST with USB2.0 spec, 1xUSB-OTG
RTC	System includes RTC with CR1220 battery
SDCard	Standard SD-TF card connector up to 64Gbyte
Dimensions	170 x 65 x 90 (mm) (WxHxD)



## Power Suppliers

Interra Power Supply is the general name of the units that provides the energy requirements of a system or mechanism.

Interra Power Supply incorporated into the output voltage is kept constant by means of current circuit. The interference of the output voltage in response to various changes that may occur in the input of the power supply is provided.



ITR-412-0030 (12 V 3 A)



ITR-430-0015 (30 V 1,5 A)



ITR-424-0018 (24 V 1,8 A)

## TECHNICAL FEATURES

### ITR12-3.0A

INPUT:	85 ~ 265 VAC / 0.5A MAX 50 ~ 60Hz
OUTPUT:	+12 VDC 3.0A / 36W
Dimensions:	70*86*60 (WxHxD) (4 DIN rail)

### ITR24-1.8A

INPUT:	85 ~ 265 VAC / 0.5A MAX 50 ~ 60Hz
OUTPUT:	+24 VDC 1.8A / 43.2W
Dimensions:	70*86*60 (WxHxD) (4 DIN rail)

### ITR30-1.5A

INPUT:	85 ~ 265 VAC / 0.5A MAX 50 ~ 60Hz
OUTPUT:	+30 VDC 1.5A / 45W
Dimensions:	70*86*60 (WxHxD) (4 DIN rail)

Bring your guests  
together with  
products the comfortable  
service offered  
by DND/MUR



## DND / MUR

Interra DND/MUR is a product that was designed to increase the service quality at hotels and that has two different inputs as EIO and KNX.

DND/MUR, through its special design, enables the guests to get the right service at hotels. The fact that Interra DND/MUR has two different inputs as EIO and KNX, allows it to be used conventionally and as a KNX application. Solid metal structure used in its production and plexiglass is effective on the extremely robust structure of the DND/MUR product.

The bell and special led lights located on the product add more value to DND/MUR. The fact that it can only be applied to horizontal designed dual flush-mounted box, enables the DND/MUR product to be installed easily.



### TECHNICAL FEATURES

Power Supply	12V DC
Inputs	KNX and EIO
KNX	Certificated by KNX.org
Dimensions	32x18x1 (WxHxD)





Feel the difference  
of services  
that simplify life  
with a single touch



# References



We carry the comfort and safety to all of the projects.

Smart building systems offer you the solutions you need in residence, hotel, villa and your other projects.

You can make all your controls through the new life comfort Interra Touch Panel with a single click. Thanks to Interra smart building technologies, you can be in front of your competitors by creating big differences. The advantages offered by Interra are waiting for providing the most special touch to your projects.



# References

Sinpaş Altınoran is the biggest KNX project of the world with 2500 apartments.



Sinpaş Altınoran / Ankara



AcarBlu / İstanbul



Emaar Square / İstanbul



42 Maslak / İstanbul



Yalı Ataköy / İstanbul



Torun Center Ali Sami Yen / İstanbul



Çiftçi Towers / İstanbul





Mistral Tower / İzmir



Kale Topkapı / İstanbul



NG Hotel, Shopping Center, Residence  
İstanbul



Demir Romance / İstanbul



Demir La Vida / İstanbul



İstanbul Bloom / İstanbul



One Tower / Ankara



West Gate / Ankara



Suryapı Exen / İstanbul



# References



Asma Bahçeler / İzmir



Larus Palas / İstanbul



Next Level / Ankara



Soyak Soho / İstanbul



Platform Merter / İstanbul



Zirve Park /Konya



Dumankaya Ritim / İstanbul



Dumankaya Modern Vadi Evleri / İstanbul



Dumankaya Konsept Halkalı / İstanbul



Venüs Panorama / Adana



Erciyes Suits / Adana



Varyant Karşıyaka / İzmir





Panavia / İstanbul



Qent Istinye / İstanbul



Özyürek Concept / Adana



Teras Evler / Ankara



Bia Port / Bursa



D Residence / Mersin



Pera Sunset



Pasha Loft / Ankara



Vemma Green / Şanlıurfa



Mulson Yaşam  
Güzelbahçe / İzmir



Akbatı / İstanbul



Akbatı Beyaz Kule / İstanbul



# References

Hilton combines the technology and comfort with high quality service mentality.



Hilton Kozyatağı / İstanbul



Özen Residence / İstanbul



Balkon / İstanbul



Caressa Otel / Bodrum



VIP Otel / Türkmenistan



Sheraton Ataşehir / İstanbul



Pirlanta Çamlıca / İstanbul



Kumtaş Yaşamkent / Marmaris



Koru Konakları / İstanbul





Le Meridien / İstanbul



Ramada Elazığ / Elazığ



Abant Otel / Bolu



Villa Lakhic / Azarbaycan



Valle Lacus / İstanbul



Selimoğlu Çamlıca Konakları / İstanbul



Manisa Anadolu Palace



Nest Güzelbahçe / İzmir



Frigya Evleri / Eskişehir

# Other References

42 Maslak / Ekşioğlu Yıldız Elektrik / BiaPort / Statü Plus Manisa / Emsa İnşaat / Kavuklar-Bornova / Sur Yapı / Çiftçiler / Apolat / Torunlar Projesi / Sinpaş / West Gate / Annex / Turkuaz Life / Marmaris Mavi Rezidans / Bosh Office / Erkan İnş. / Next Level / Asma Bahçe / Mulson Yaşam Projesi / Atlas Odun Pazarı Otel / Asma Bahçeler Narlıdere / Pekkan Elektrik / Kartal İnş. / Özen İnşaat / 4a İnşaat / Sumka İnş. / Özler İnşaat / Yıldız Elektrik / Demir Romence / Burç Elite / Sera Park 3 / Prestij XL Concept / Venus / Premium / Koza Residence / Avant Garden / Billur Yalı / Uypa İnşaat / Hisar İnşaat Asma Bahçeler Narlıdere / Karşıyaka Varyant / Katal İnş. / Sumka İnş. / Özler İnşaat / Aydın -Mercan Yapı / One Tower / Yalı Ataköy / Hanedan Yapı / Cevahir Shraten / İstanbulloom / Pasha Konsept / Kumtaş / Yaşamkent / Beyz İnşaat / Beyaz Kule / Hanedan Yapı / Torunlar Center / Polimeks İnş. / Panavia / Evilla / Uzunboy Yapı / Erciyes Suits / Caresse Otel / Erkan İnş. / Dumankaya Ritim / Dumankaya Konsept / Dumankaya Modern / Sur Yapı / Orhan Öz İnşaat / Nova Life / Tümer Concept / Özyürek Concept / Venus Panorama / Yeni Öztürk / Çetinkaya İnş. / Taşansu İnşaat-Alpay Corner / Bayraktaroğlu İnşaat-Bade Plaza / De Life-Doğan Erten Group / Avb İnşaat Özderan Park / D-Residence Mersin / Şal İnşaat / HYATT Otel / Dervişoğlu-CaddeBostan / Kulak İnş-Vale Lacus / Vera Konutları / 42 Maslak / Florya Basıncıköy / Ekşioğlu Yıldız Elektrik / İnpaş İnşaat / Anadolu Hisar Ömer B. / Hakan Hazıbeyoğlu / BiaPort / Harput Holding / Statü Plus Manisa / Emsa İnşaat / Kavuklar-Bornova / Sur Yapı / Çiftçiler / Apolat / Sinpaş / West Gate / Murat Keklik / Emircan Group / Scon Yapı / Ons İnşa / Arzuhan Doğan / Güçlü Center / Psy Enerji Ankara / Elazığ Hakan acar / Statü Güzelyurt / Şaraphane / Arenes / Çisem İnşaat / Annex / Hanedan Yapı / Turkuaz Life / Konya Projesi / Marmaris Mavi Rezidans / Yüksel Yıldırım Evi / Mahmutbey / Artmaris İçmeler / Barış Demirkapı / Leventan / Lokman Bey / Verdi Evleri / Vivaldi Evleri / Adem Seçilmiş / Tuğrakent / Turgay Aras Villaları / Baha Aslanoba / Aytoklar Çeşme / Bosh Office / Erkan İnş. / Kadir Topbaş / Eleks Enerji / Next Level / Agora Satış Ofisi / Anadolu İnşaat / Mulson Yaşam Projesi / Atlas Odun Pazarı Otel / Söğüt Metromal Avm / Elazığ Parkada Mehmet Evi / Demya Mühendislik / Serkan Eski Villa / Sevim Balıkesir Asma Bahçeler Narlıdere / Pekkan Elektrik / Karşıyaka Varant / Torunlar Center / Enka Teknoloji / Barış Demirkapı / İncek prestij / Polimeks İnş. / Paşa Loft Projesi / Güven Bilişim / Sembol İnş. / Söğütlü Bahçe / Atlas odun pazarı otel / Çeşme Altı Albay Villası / Sinpaş Ankara / BAKGÖR / Taransis Ataşehir / Özen İnşaat / Yıldız Elektrik / Parkada Zülküf bey / Ramada Otel / Yıldız İnş.Suadiye Projesi / Pekkan Elektronik / Panavia / Forest Country / Bülent İyikülah / Armağan İnşaat / Katılım Ofis / Lal Bahçeleri / Evilla / Uzunboy Yapı / Küçükçekmece Belediyesi / Ecr marina / İstanbul Erkek Lisesi / Krean / Eon / Taşhan Yapı / Studio Santral / Yavuz İnş. / Yalı Ataköy / Erciyes Suits / Dumankaya Ritim / Dumankaya Modern / Dumankaya Konsept / Bulvar 216 / Merck Ofis / Haldız İnş. / AZ.Avrupa Okulu / Panavia / Soyak Soho / One Tower / Murat Kongur / Halil İbrahim Kongur / Panmer Madencilik / Avea Maçka Projesi / Kartal İnş. / Hunca Birlik / Meltem Aydoğdu Evi / Emaar Sguare / Polimeks İnşaat / Elazığ Parkada Turan Bey / Bakgör / Özen İnşaat / 4a İnşaat / Ottomare Projesi / Akda İnşaat Eskişehir Friya Evleri / Dosso Dossi Otelcilik

/ Sumka İnş. / Yesa Enerji / Özler İnşaat / Parkada Saim Karakaya / Yıldız Elektrik / Göksel İnşaat / Kontur / Pamer Madencilik / Onmuş / Dayan Yatırım / Demir Romence / Dap yapı / Depar Yapı / Sakarya Kırkpınar / Ayos Atom / Dragos villaları / Halis Çakmak / Apeksim / Alkent / Sebil İnşaat / TT Tasarım / Dayan Yatırım / Ottomare Projesi / Burç Elite / Sera Park 3 / Prestij XL Concept / Venus Premium / Koza Residence / Avant Garden / Billur Yalı / Uypa İnşaat VNR İnşaat / Orhan Öz İnşaat / Nova Life / Tümer Concept / Özyürek Concept / Venus Panorama / Erciyes İnşaat / Yeni Öztürk / Bema Bilişim Ofis / Pırlanta Erjiyes Ofis / Ersoybey Villa / Çetinkaya İnş. / Taşansu İnşaat-Alpay / Corner / Bayraktaroğlu İnşaat-Bade Plaza / De Life-Doğan Erten Group / Avb İnşaat Özderan Park / D Residence Ofis / D-Residence Mersin / Şal İnşaat / Mitani İnşaat-Şanlıurda / Mehdi Kaya Villa / Mert Baş Villa / Kasım Tanrıöver Villa / Niğde Bema Ofis / Ersoy Şimşek Kayresi / Yamaç İnşaat / Kule Arenar / Atlas Teras / KocaTopBaş / Amiral 8 / Hisar İnşaat / Kürsat Başkirt / Develi İnşaat / Erturhan Villa / Fh Yapı / İstanbulloom / Bakış İnş. Villaları / Pasha Konsept / Kumtaş Yaşamkent / Beyz İnşaat / Gölbaşı Villaları / Ukrayna Myria / Beyaz Kule / Hanedan Yapı / Elekt.Lokman / Emsa İnşaat / Yeni Yapı Örn / Lokman Bey Suadiye / Bilgiç İnş. / Faruk Bakgör Villa / Ali Mermer Villa / Aydın -Mercan Yapı / Aypark / İlhan Kavuk Villa / Turan Evi / Ömer Altun Evi / Pelican Hill 19 / Forest Country / Bema İnşaat / TT Tasarım / Yamaç İnşaat / Kule Arenar-Hotto Yapı / Akare İnşaat-Atlas Teras / Gözek İnşaat / Işık Yapı / Uğur İnşaat / D Residence Ofis / Konya Zirve Park / İlhan Kavuk Malatya Villası / Maslak Orjin Projesi Kartal İnş. / Hunca Birlik / Meltem Aydoğdu Evi / Emaar Sguare / Polimeks İnşaat / Elazığ Parkada Turan Bey / Bakgör / Özen İnşaat / 4a İnşaat / Ottomare Projesi / Akda İnşaat Eskişehir Friya Evleri / Dosso Dossi / Otelcilik / Sumka İnş. / Yesa Enerji / Özler İnşaat / Parkada Saim Karakaya / Yıldız Elektrik / Göksel İnşaat / Pamer Madencilik / Onmuş Elektronik / Dayan Yatırım / Demir Romence / Dap yapı / Depar Yapı / Sakarya Kırkpınar / Ayos Atom / Dragos villaları / Apeksim / Alkent Fazıl Bey / Sebil İnşaat / TT Tasarım / Dayan Yatırım / Ottomare Projesi / Burç Elite / Sera Park 3 / Prestij XL Concept / Venus Premium / Koza Residence / Avant Garden / Billur Yalı / Uypa İnşaat / VNR İnşaat / Orhan Öz İnşaat / Nova Life / Tümer Concept / Özyürek Concept / Venus Panorama / Erciyes İnşaat / Yeni Öztürk / Bema Bilişim Ofis / Pırlanta Erjiyes Ofis / Ersoybey Villa / Çetinkaya İnş. / Taşansu İnşaat-Alpay Corner / Bayraktaroğlu İnşaat-Bade Plaza / De Life-Doğan Erten Group / Avb İnşaat Özderan Park / D Residence Ofis / D-Residence Mersin / Şal İnşaat / Mitani İnşaat-Şanlıurda / Mehdi Kaya Villa / Mert Baş Villa / Kasım Tanrıöver Villa / Niğde Bema Ofis / Ersoy Şimşek Kayresi / Yamaç İnşaat / Kule Arenar / Atlas Teras / KocaTopBaş / Amiral 8 / Hisar İnşaat / Kürsat Başkirt / Develi İnşaat / Erturhan Villa / Fh Yapı / İstanbulloom / Bakış İnş. Villaları / Pasha Konsept / Kumtaş Yaşamkent / Beyz İnşaat / Gölbaşı Villaları / Ukrayna Myria / Beyaz Kule / Hanedan Yapı / Elekt.Lokman / Yüksel Yıldırım / Emsa İnşaat / Yeni Yapı Örn / Lokman Bey Suadiye / Bilgiç İnş. / Faruk Bakgör Villa / Ali Mermer Villa / Aydın -Mercan Yapı / Aypark / İlhan Kavuk Villa / Turan Evi / Ömer Altun Evi / Pelican Hill 19 / Forest Country / Bema İnşaat / Bülent İyikülâh / TT Tasarım / Yamaç İnşaat / Kule Arenar-Hotto / Yapı



**Yönet Bilişim Yaz. Eğt. ve Dan. Hiz. Tic. Ltd. Şti.**

Cumhuriyet Mahallesi Kartal Caddesi

Simkan Plaza No: 95/1

34876 Kartal / İstanbul / TURKEY

T +90 (216) 326 26 40

F +90 (216) 324 25 03

E [info@yonnet.com.tr](mailto:info@yonnet.com.tr)

W [www.yonnet.com.tr](http://www.yonnet.com.tr)

