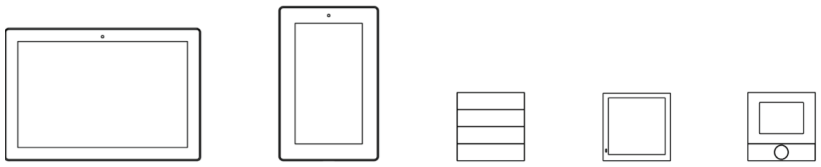
core

Building Automation Technologies

Product Catalog

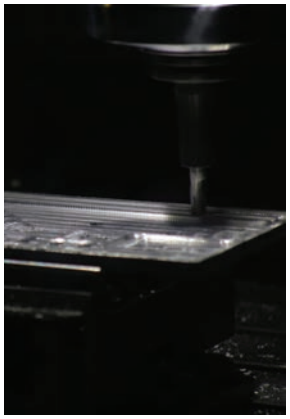
2023

core



# Welcome to Core!

We offer exclusive smart home experience for your living spaces with unique products and features based on design and technology.



## Who we are?

We are group of engineers and designers who are specialised to create innovative design products for exclusive living spaces.

## Our Values

**International Standards**

We believe that interoperability and integration are key values at future smart home and building technologies. That's why, we are committed to mainstream international standards such as KNX. Modbus and Z-Wave while creating new products

**Cloud Technologies**

We believe that privacy of your data and safety of your house must be fundamental basics of smart home and building Technologies. So we use latest cloud Technologies to provide your data safe in internet World.

**IoT and Integration**

We are passionate about limitless possibilities of IoT World. We are working so hard to integrate mainstream building and smart home technologies with power of IoT World. Future is fullfilled with Iot and our products will be essential bridges between mainstream building Technologies and IoT devices.

**Design**

We believe the power of simplicity in design and work so hard to create simple, beautiful and intuitive products for your smart home. You can see the perfection of details and uniqueness of design both in all devices.

# Product Range

## KNX User Interfaces

Eclipse Room Controller

Eclipse Push-Button Switch

Eclipse Room Temperature Controller

Eclipse Touch Panel

Surface Panel

Air Conditioner Gateways

# Eclipse Room Controller

## Switch, Thermostat and more...

Eclipse Room Controller is designed to replace all control devices on the wall. Simply, one digital control panel to control all.

| | | | |
|---|---|---|---|
| HIGH QUALITY DISPLAY | INTUITIVE USER EXPERIENCE | PREMIUM MATERIALS | ECLIPSE DESIGN LINE |

Lights
ON
Ceiling Light
40%
Table Top
5000
RGB Lights

Lights
ON
Ceiling Light
40%
Table Top
%50
RGB Lights

# Control all devices in room

Eclipse room controller is designed to be the most exclusive touch panel for rooms. High quality display combined with premium materials in the same design language of other Core products with only 11mm thickness on the wall. Intuitive user interface provides seamless control experience to match with all at last. The result is more than a satisfaction...

- Switching
- Dimming
- RGB Control
- Blinds
- Jalusie
- Scene
- Tunable White
- RTC Control
- AC Control
- Energy Display
- Audio
- Air Quality

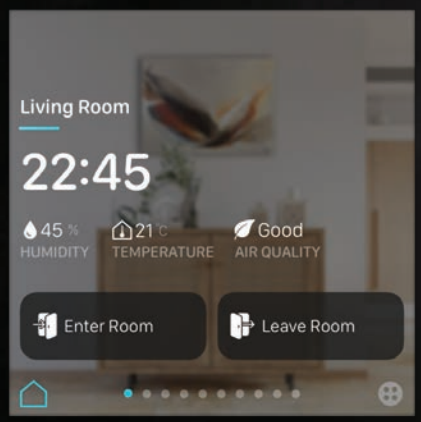
**Best in-class features**

Eclipse Room Controller is equipped with best in-class features to be unique product in the market.

- KNX-TP Connection
- CO2 Sensor
- Integrated thermostat controller
- Temperature Sensor
- Configuration via ETS
- Proximity & Light Sensor
- Air Quality Measurement
- Humidity Sensor

# Intuitive User Interface

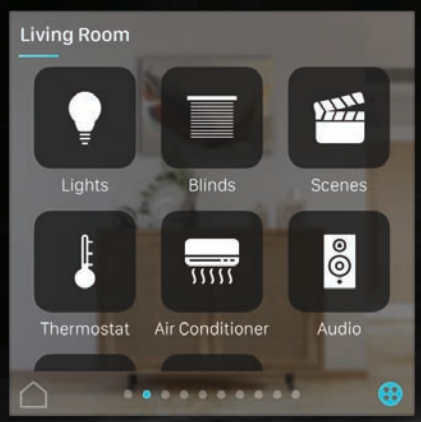
Eclipse Room Controller is equipped with intuitive, functional and easy-to-use user interface to provide seamless user experience.



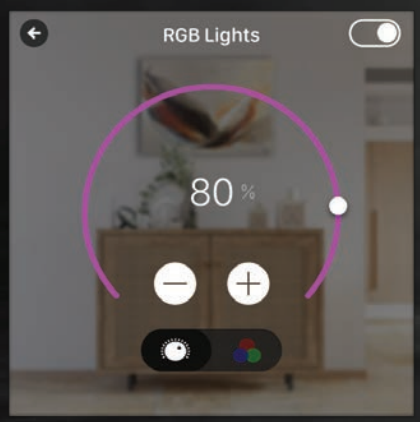

Main Page

RTC Control

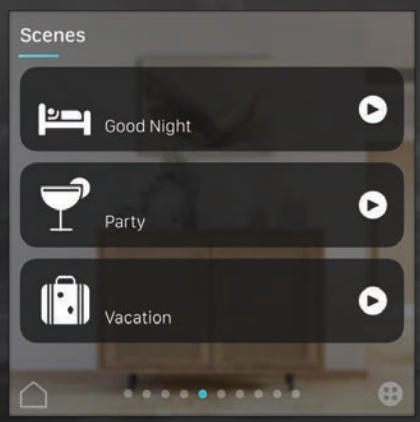
RGB Control




Category Page



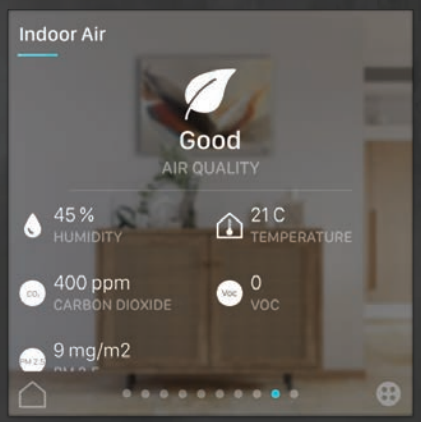

RGB Control



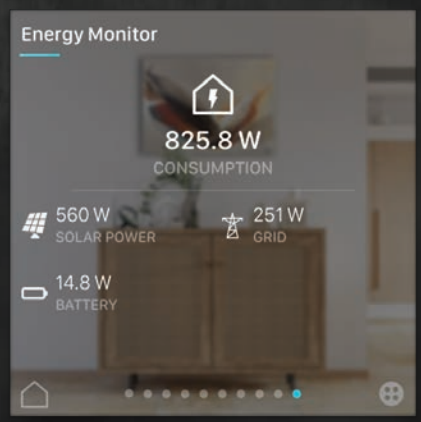

List View Page

# Intuitive User Interface

Bigger icons and texts, press feeling buttons, extensive information about automation system and slider navigation make user experience like traditional switch or thermostat.

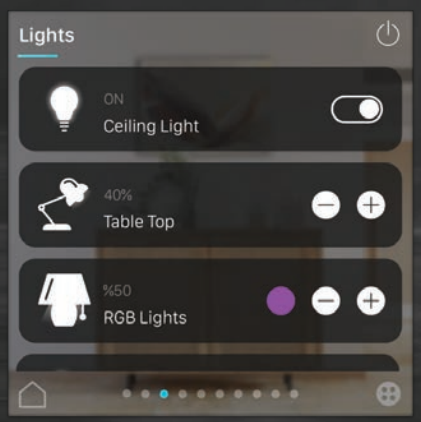



Air Quality Display

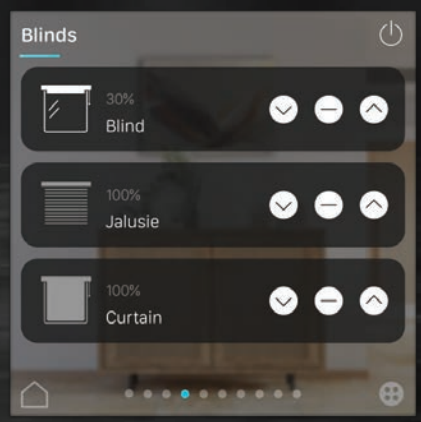



Energy Display

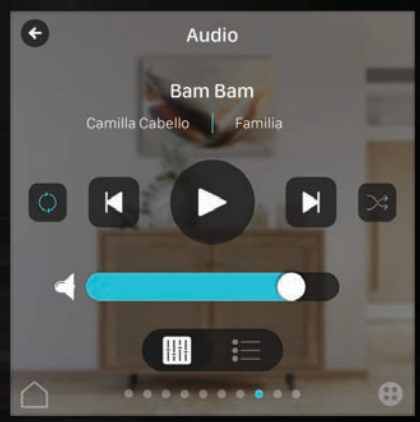
AC Control




List View Page




List View Page




Audio Control

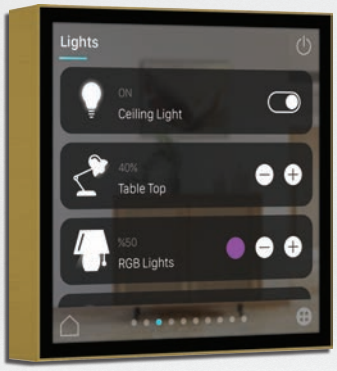
# Room Controller Finish Options

**Brushed Finishes**

Pure form of stainless steel, brass and aluminum are brushed with perfect craftsmanship to provide satin effect in each touch to the device.

Aluminum
Black

Aluminum
Grey

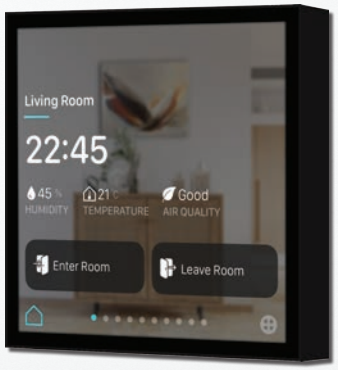



Brass

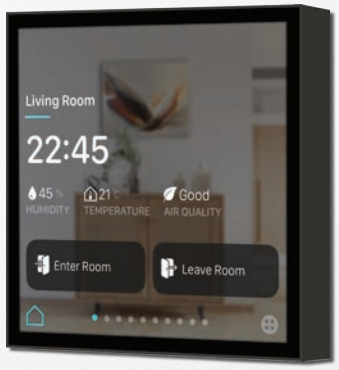
Stainless
Steel

**Silky-Matte Finishes**

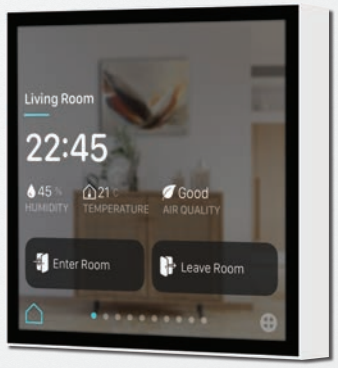
Aluminum is painted with unique colors and coated with special techniques to provide silky feel in each touch to the product.



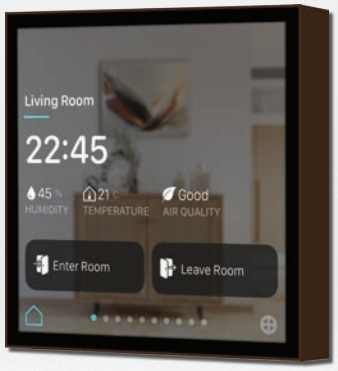

Obsidian
Black



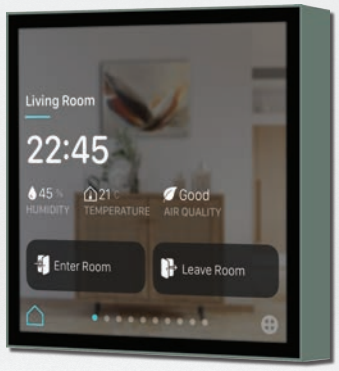

Titanium
Grey



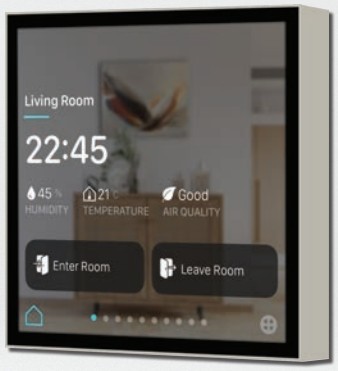

Glacier
White




Cocoa Grey




Verdant




Sand Beige

ECLIPSE
DESIGN LINE

1-2-4
FOLD OPTIONS

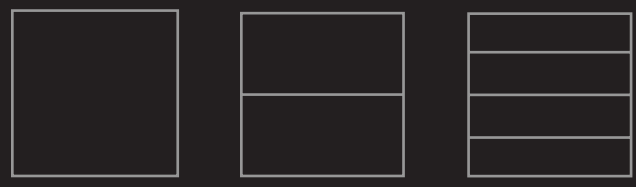
PREMIUM
MATERIALS

PUSH-BUTTON
SWITCH

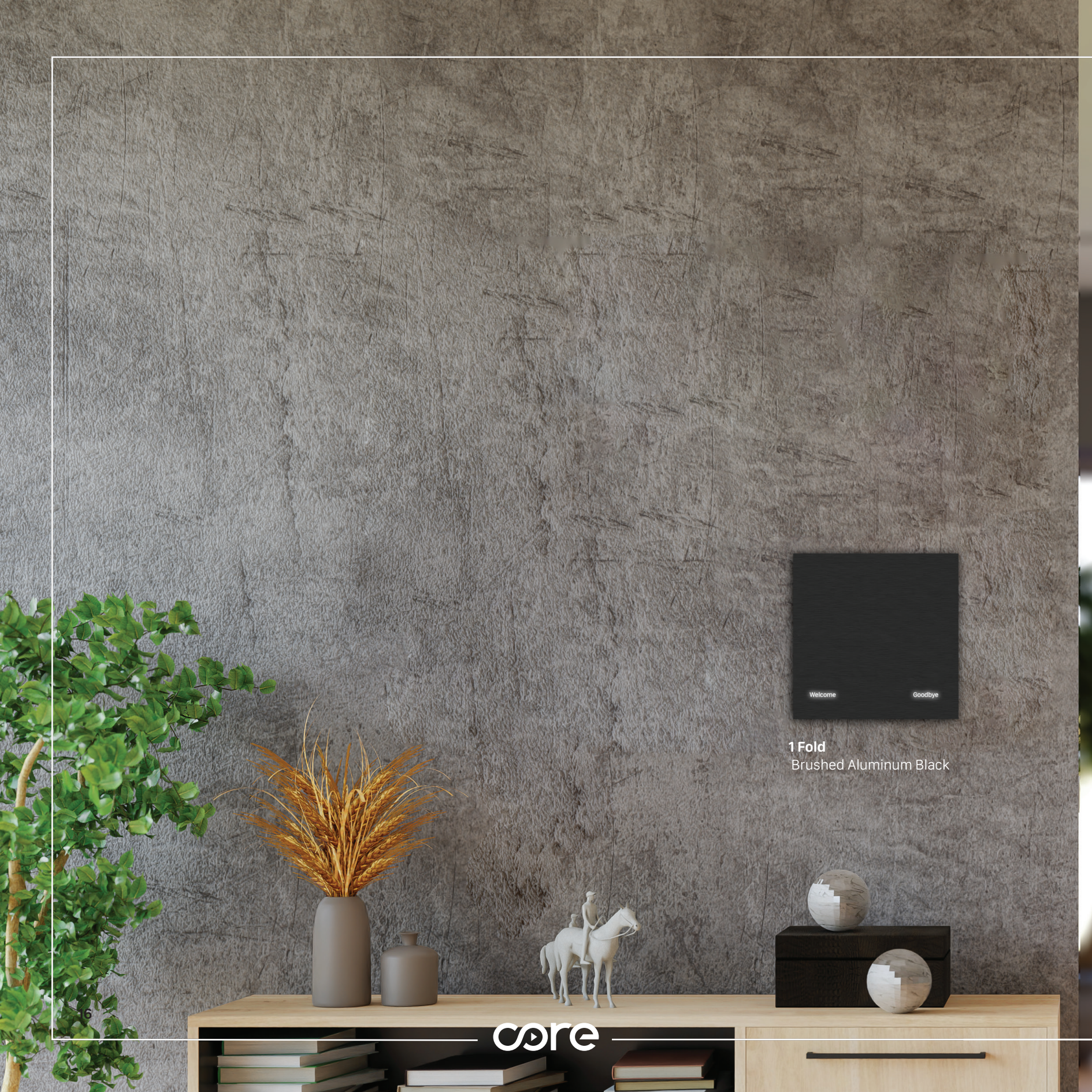
# **Eclipse**
# Push-Button Switch

## **Stylish and Radiant**

Eclipse Switch is designed to control the ambient in a stylish way, thanks to premium materials and finishes. It is also equipped with multiple sensors to automate the ambient; thus becomes a switch, a sensor and a design material.



1 Fold 2 Fold 4 Fold




**1 Fold**
Brushed Aluminum Black

## More than just a **Switch**

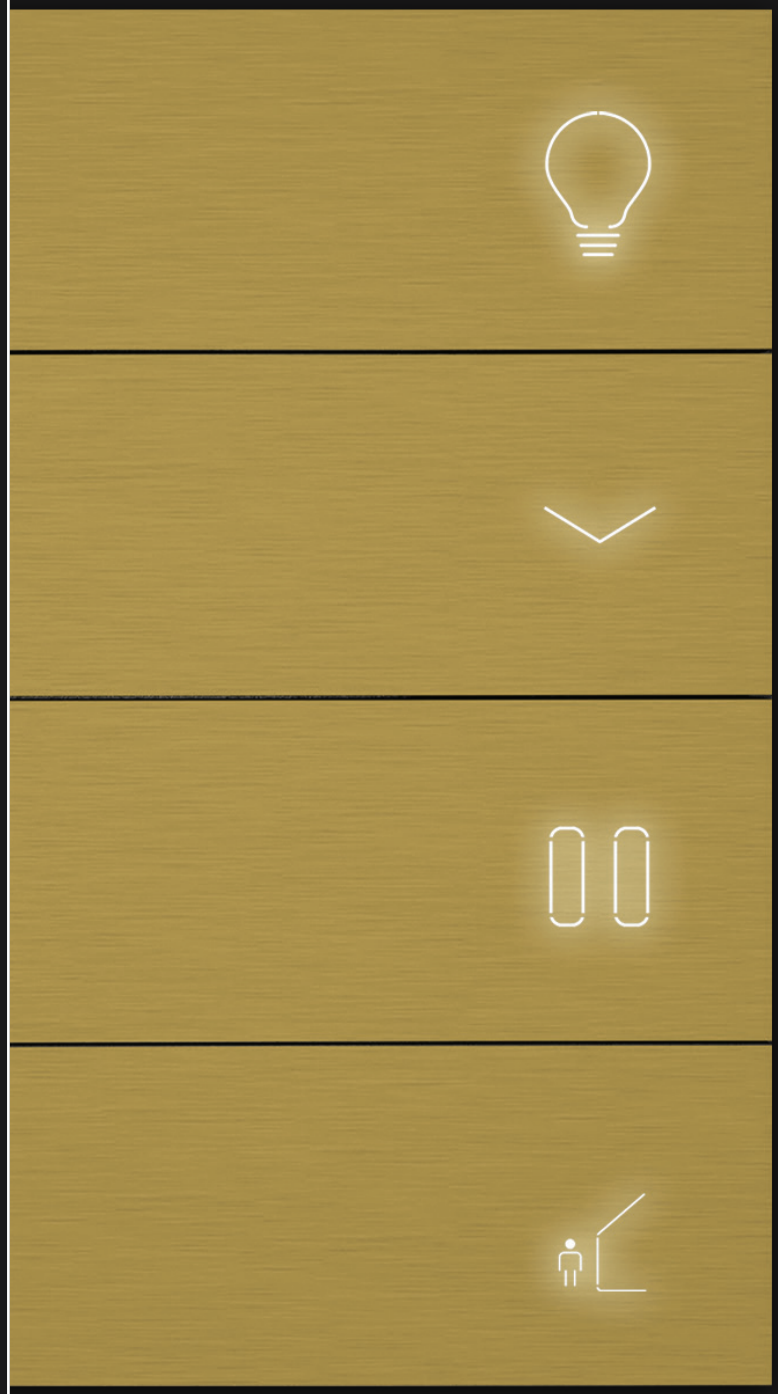
Eclipse Switch can activate many functions like other smart switches does such as switching and dimming. Besides these, it can do much more with its built-in logic functions and multiple sensors.

### BUILT-IN THERMOSTAT

Eclipse Switch can control HVAC systems via built-in thermostat logic, temperature sensor and humidity sensor.

### AIR QUALITY MEASUREMENT

Eclipse Switch measures CO2 inside the room with its built-in sensor and determine air-quality of the room. According to the air-quality level of the room, logic functions can be triggered via KNX systems.



# Customizable **Backlit Icons**

**ICONS CUSTOMIZATION**

Icon or text can be engraved to each buttons in folds. Thanks to dedicated online planner, customer can select icons from extensive icon library or write text accordingly.

**RGB BACKLIGHTS**

RGB Backlights of the icons indicate the status of connected load. Color of the backlight can be configured via ETS programming tool.

**ADAPTIVE BACKLIGHTS**

Light sensor measures ambient light and icon backlights are dimmed according to the light level in the room.

**PROXIMITY SENSOR**

Proximity sensor senses the approach and backlights of icons are dimmed up to welcome customer in the dark ambients.

# Fold Finish Options

**Brushed Finishes**

Pure form of stainless steel, brass and aluminum are brushed with perfect craftsmanship to provide satin effect in each touch to the device.

Aluminum
Black

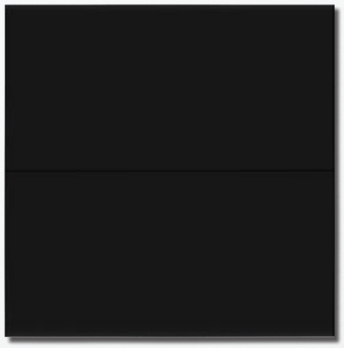
Aluminum
Grey

Stainless
Steel

Brass

**Silky-Matte Finishes**

Aluminum is painted with unique colors and coated with special techniques to provide silky feel in each touch to the product.

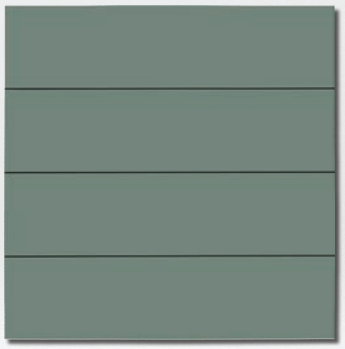


Obsidian Black

Titanium Grey

Glacier White

Cocoa Grey



Verdant

Sand Beige

**4 Fold**
Verdant

# Eclipse Room

## Temperature Controller

### Multi-functional and Intuitive

Most of the multi-functional thermostats offer very complicated user experience. Eclipse thermostat is designed to be super easy to control but at the same time functional to control most of the heating&cooling systems.

LARGE SCREEN

CONTROL WITH KNOB

ECLIPSE DESIGN LINE

AIR QUALITY MEASUREMENT

# Intuitive Control of Temperature

### SUPER KNOB

All functions including temperature change is controlled via single Knob. Just rotate Knob to change room temperature, or press and rotate to select which function to change.

### CONFIGURABLE FUNCTIONS

Eclipse Thermostat has several functions like temperature change, operation mode, operating mode, fan control and also AC vane control. Functions are configured via ETS and only functions that configured are displayed in the screen.

### CUSTOMIZABLE BUTTONS

There are 2 backlit icon buttons which can be configured to control any function in the room such as switching or dimming; or can be configured to control thermostat functions.

**Eclipse Temperature Controller**
Brushed Brass

# Room Temperature Controller Finish Options

**Brushed Finishes**

Pure form of stainless steel, brass and aluminum are brushed with perfect craftsmanship to provide satin effect in each touch to the device.

Brass

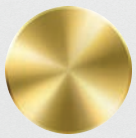
Stainless Steel

Aluminum Grey

Aluminum Black

**Knob Finish Options**

Stainless Steel



Brass

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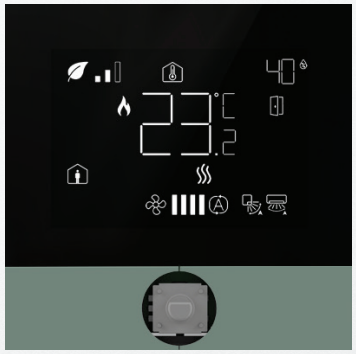
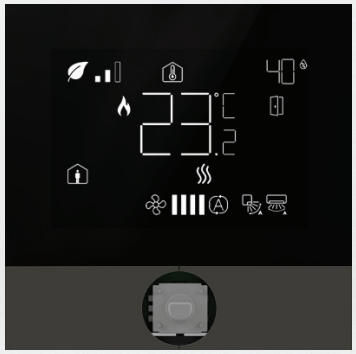
Sand Beige



Verdant

Cocoa Grey

Glacier White



Titanium Grey

Obsidian Black

# Complete Air Conditioner Thermostat

**Control all VRV Functions**

Eclipse Thermostat provides display and control of Up/Down Vane, Right/Left Vane and additional operation modes of VRV Systems such as Dry, Fan and Auto. This provides Eclipse Thermostat a complete thermostat control solution for VRV Systems.

UP/DOWN
VANE CONTROL

OPERATION MODE
CONTROLS

RIGHT/LEFT
VANE CONTROL

# Complete Air Conditioner Thermostat

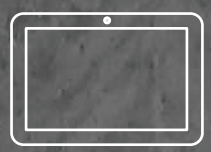
**Built-in VRV Controller**

Eclipse Thermostat controls VRV Systems indoor units via its built-in modules. This provides flexibility in the infrastructure and also saving cost

DAIKIN
MITSUBISHI ELECTRIC
SAMSUNG
LG
MITSUBISHI HEAVY INDUSTRIES
GREE

# Eclipse Touch Panel

## Pure Elegance for KNX Home Controllers

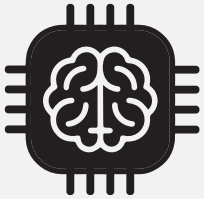


10''

7''

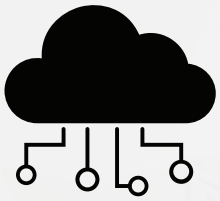
**With its elegant design, Eclipse is designed to be a real gateway to the world of IoT, as the server of all smart devices in your home**

**You can easily control your home from the screen or from your phone.**



**Server of Knx Smart Home**

Eclipse Panel has multiple automation interfaces to control and visualize KNX Systems. Thanks to CoreOS 4.0, Eclipse Panel can integrate KNX, Modbus and IoT control elements in a single project without the need of another servers



**A True Gateway to Iot World**

Eclipse Panel is a true gateway between KNX Systems and IoT world natively without need of additional hardware or software. IFTTT, Amazon Alexa, Google Home and Siri Shortcuts are currently available IoT platforms to integrate IoT devices to KNX Systems over CoreOS operating system.

**Intercom Client**

Eclipse Panel is perfect intercom indoor panel for SIP Intercom Systems. Using IP Technology and SIP Protocol provides robust communication, high resolution video calls and compatibility with most common intercom door stations.

**Remote Controller**

Eclipse Panel provides secure and robust connection to Core Mobile App through Cloud Authentication Servers thus providing visualization and control of all systems in Eclipse Panel.

## Key Feature

Unlike ordinary touch panels, Eclipse Panel has many features other than viewing and controlling the status of your smart home. In this way, it differs from all touch screens in the market

**Eclipse Touch Panel**
Stainless Steel

# Elegant Design

A'DESIGN AWARD
WINNER 2021
IRON

## Through the Eyes of the Designer

''When I was imagining Eclipse, I thought it was simple, elegant and powerful. When the designed organic form is on the wall, it feels as if it flies slightly in the air... I think Eclipse evokes the awakening with the house while following the organic forms of nature.''

# Touch Panel Finish Options

**Brushed Finishes**

Pure form of stainless steel, brass and aluminum are brushed with perfect craftsmanship to provide satin effect in each touch to the device.

Brass

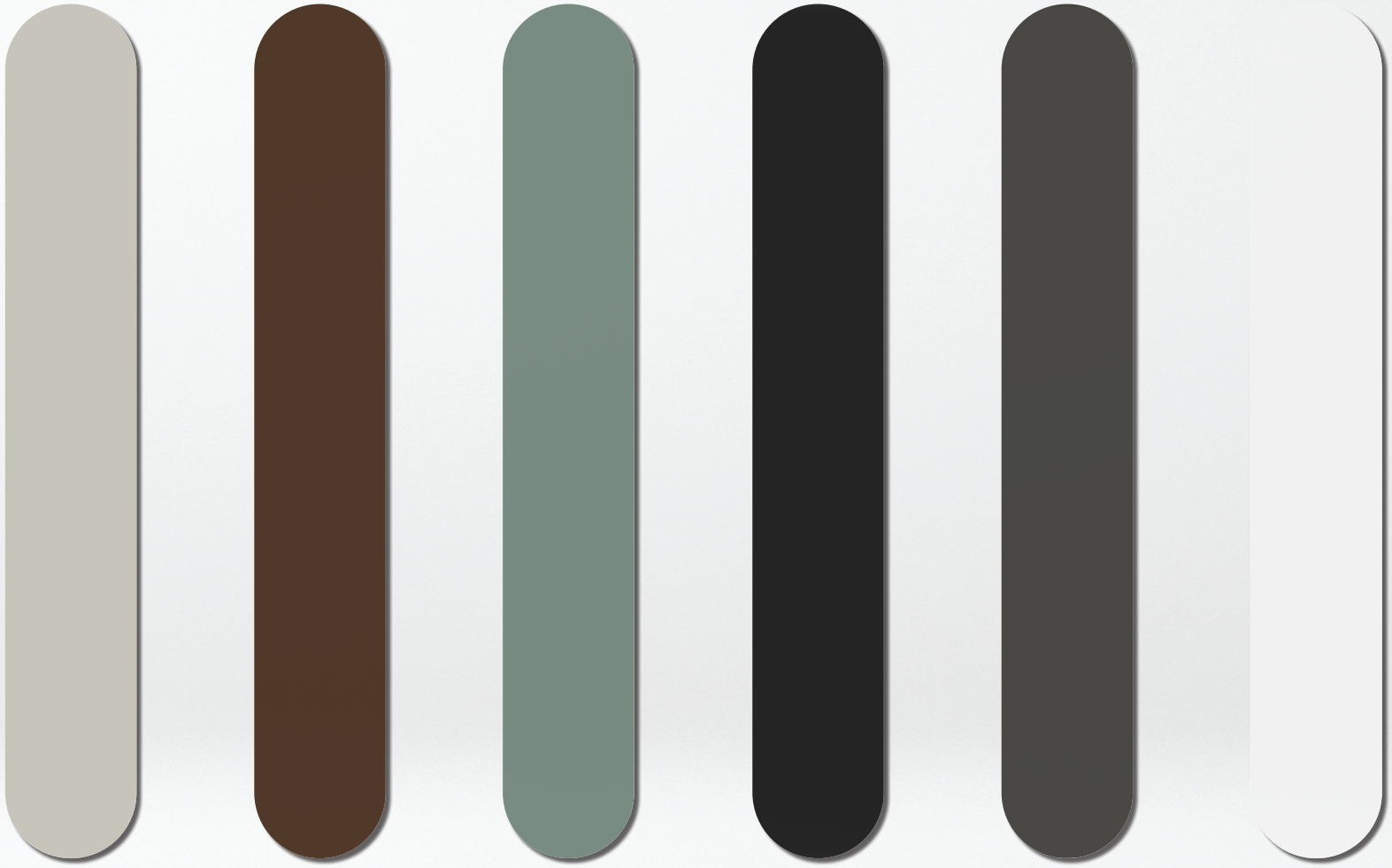
Stainless Steel

Aluminum Grey

Aluminum Black

**Silky-Matte Finishes**

Aluminum is painted with unique colors and coated with special techniques to provide silky feel in each touch to the product.



Sand Beige | Cocoa Grey | Verdant | Obsidian Black | Titanium Grey | Glacier White

# Hardware Features

Eclipse panel is equipped with powerful hardware components to perform complex smart home task and unique features of CoreOS operating system

### Next Generation Processor Set

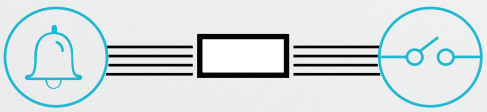
Android 8.1

Industrial Level Processor

4X Faster

We have selected the next generation processor kit from Rockchip with PX30 Quad Core ARM Cortex-A35@1.3GHZ, 2GB RAM and 8GB EMMC. This processor set is four times faster than our previous generation touchscreens and was designed by Rockchip to work in industrial applications.

### Internal Inputs and Outputs



All Touch Panels have integrated 5 digital inputs and 4 outputs. Outputs are provided with 8A Latching Relay (with Memory) thus providing positional memory during touch panel reboot or power failure.

### Automation Interfaces

KNX

RS-485

RS-232

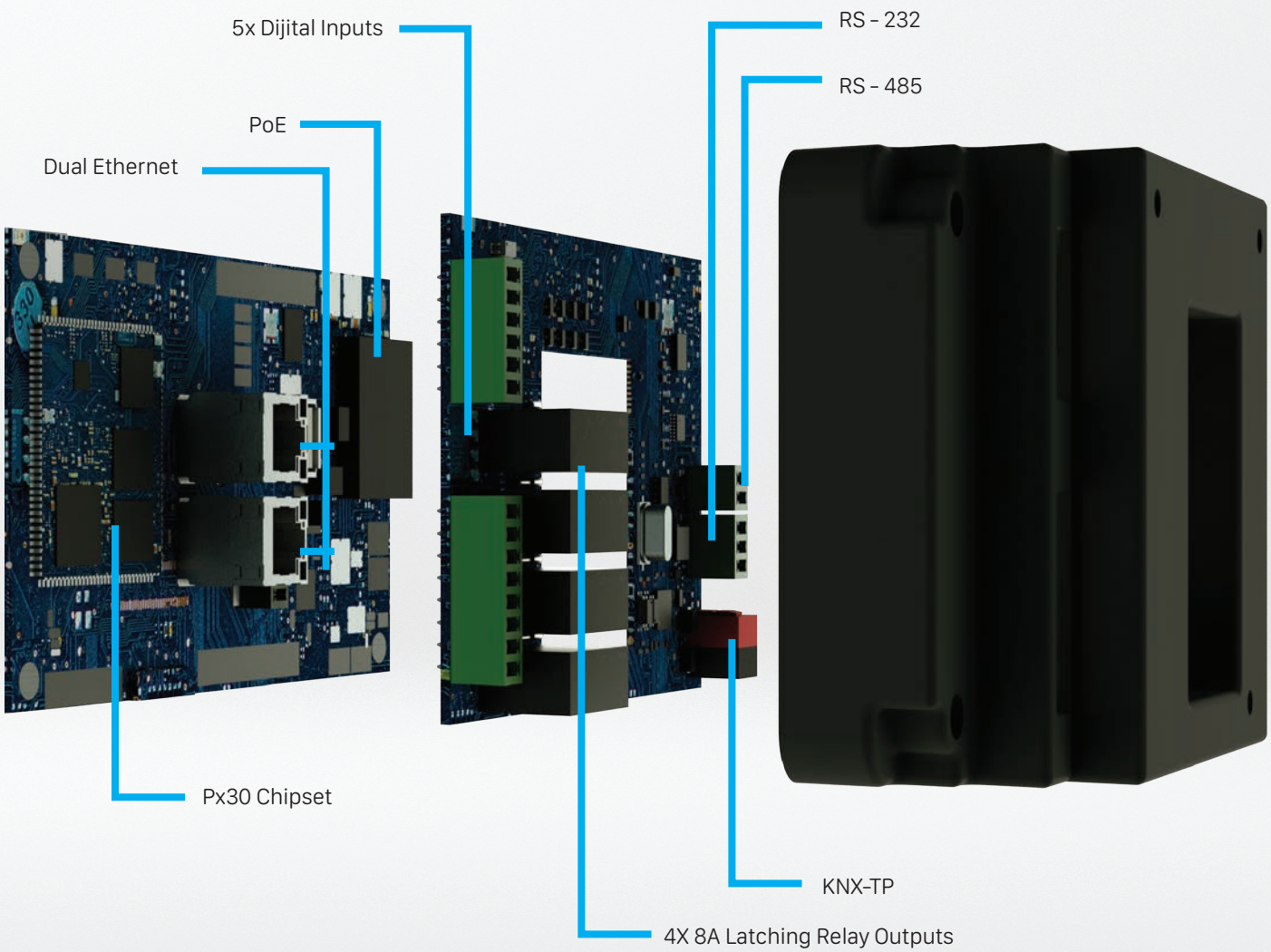
Our Touch Panels have the most commonly used automation interfaces internally. this allows devices from different protocols to be used together in the same project. In addition the integrator does not need additional converters or adapters for these interfaces.

**Dual Network Connection**

ETH 0

ETH 1

The touch screens have 2 ethernet network interfaces that can connect to different IP networks. Especially in large residential projects, the separation of the home network and Intercom network is an important feature for the stable operation of the intercom system.



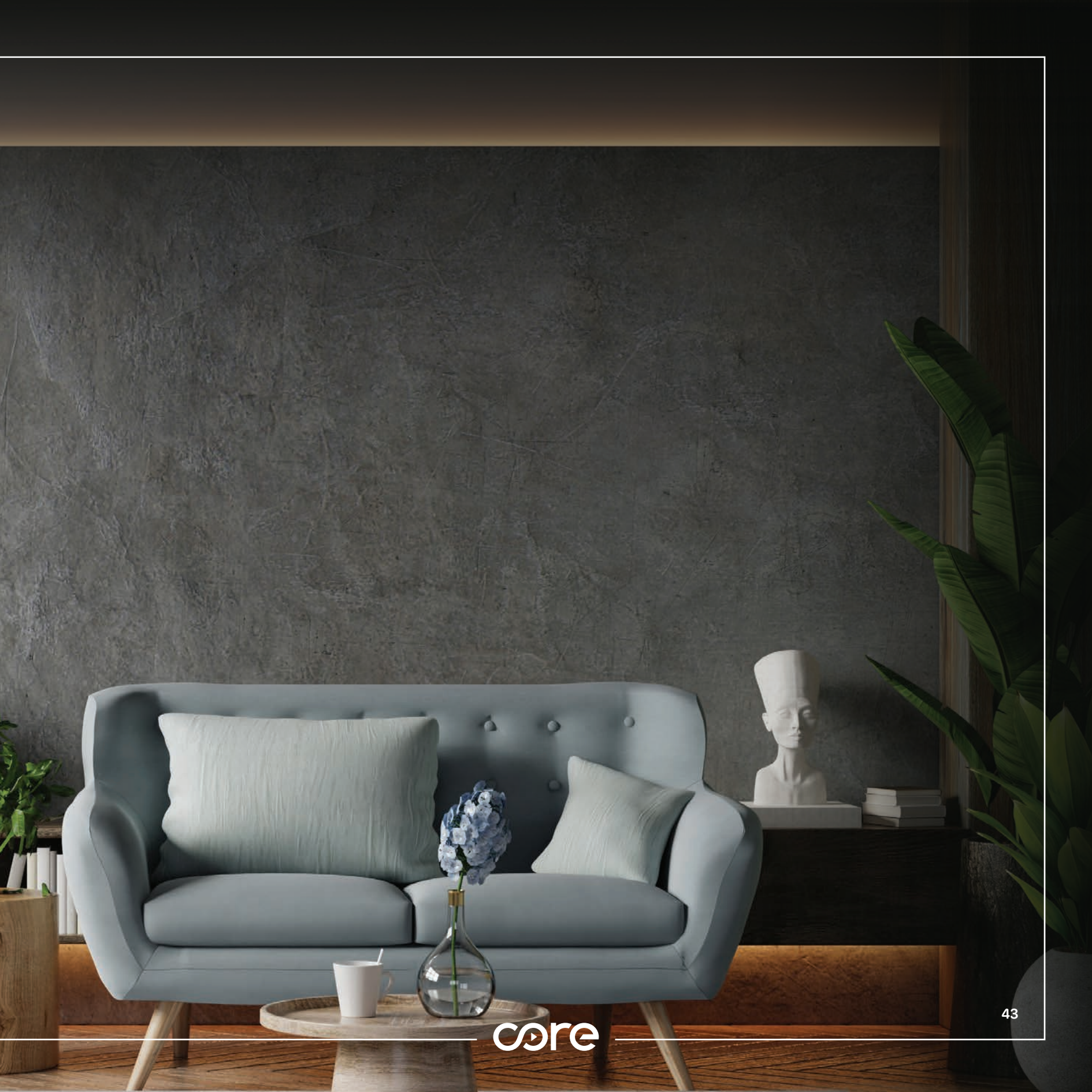
# Surface Touch Panel

## Slim And Robust

Surface Panel is designed to control and visualize exclusive living spaces with KNX technology.

Flush-mounted slim design provides clean and neutral integration with modern interior designs.

10''



# Key Features

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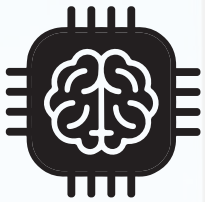
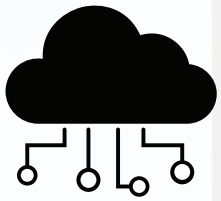
**Surface Touch Panel**
Glacier White



**Server of Knx Smart Home**

Surface Panel has multiple automation interfaces to control and visualize KNX Systems. Thanks to CoreOS 4.0, Surface Panel can integrate KNX, Modbus and IoT control elements in a single project without the need of another servers



**A True Gateway to Iot World**

Surface Panel is a true gateway between KNX Systems and IoT world natively without need of additional hardware or software. IFTTT, Amazon Alexa, Google Home and Siri Shortcuts are currently available IoT platforms to integrate IoT devices to KNX Systems over CoreOS operating system.

**Intercom Client**

Surface Panel is perfect intercom indoor panel for SIP Intercom Systems. Using IP Technology and SIP Protocol provides robust communication, high resolution video calls and compatibility with most common intercom door stations.

**Remote Controller**

Surface Panel provides secure and robust connection to Core Mobile App through Cloud Authentication Servers thus providing visualization and control of all systems in Surface Panel.

# Surface Panel Finish Options

**Brushed Finishes**

Pure form of stainless steel, brass and aluminum are brushed with perfect craftsmanship to provide satin effect in each touch to the device.

Brass

Stainless Steel

Aluminum Grey

Aluminum Black

**Silky-Matte Finishes**

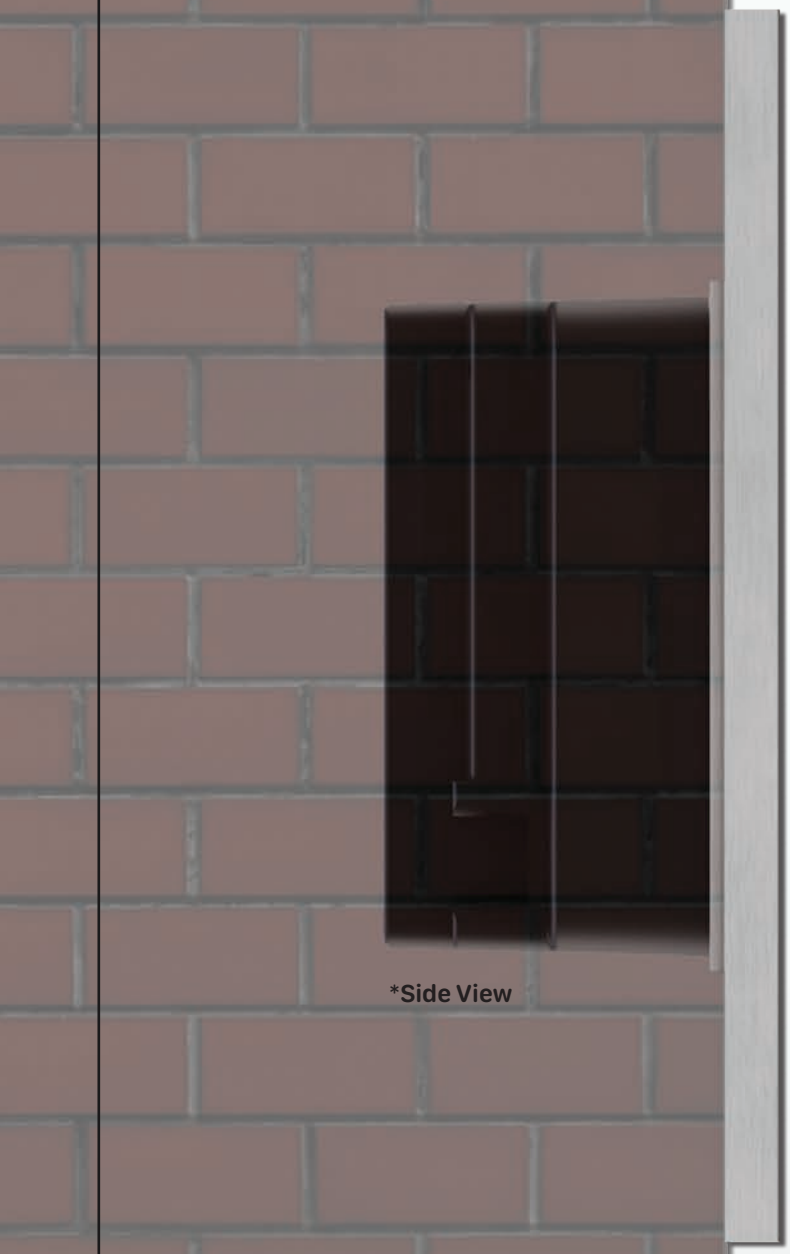
Aluminum is painted with unique colors and coated with special techniques to provide silky feel in each touch to the product.

Sand Beige | Cocoa Grey | Verdant | Obsidian Black | Titanium Grey | Glacier White

# Design Details

Surface Panel is designed to complement living spaces with modern interior design. Slim, flush mounted design combined with sharp edges and small bezel area, providing clean and neutral design for the Touch Panels.

# Design Details



*Side View

- Flush **Mounted installation**
- **Slim** Design
- **Aluminum** Casing
- **Sharp** Edges
- **CoreOS 4.0** Inside
- **Small Bezel** Area

# Hardware Features

Surface panel is equipped with powerful hardware components to perform complex smart home task and unique features of CoreOS operating system

### Next Generation Processor Set

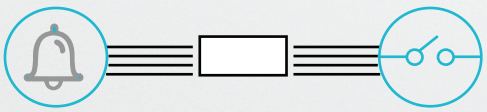
Android 8.1

Industrial Level Processor

4X Faster

We have selected the next generation processor kit from Rockchip with PX30 Quad Core ARM Cortex-A35@1.3GHZ, 2GB RAM and 8GB EMMC. This processor set is four times faster than our previous generation touchscreens and was designed by Rockchip to work in industrial applications.

### Internal Inputs and Outputs



All Touch Pannels have integrated 5 digital inputs and 4 outputs. Outputs are provided with 8A Latching Relay (with Memory) thus providing positional memory during touch panel reboot or power failure.

### Automation Interfaces

KNX

RS-485

RS-232

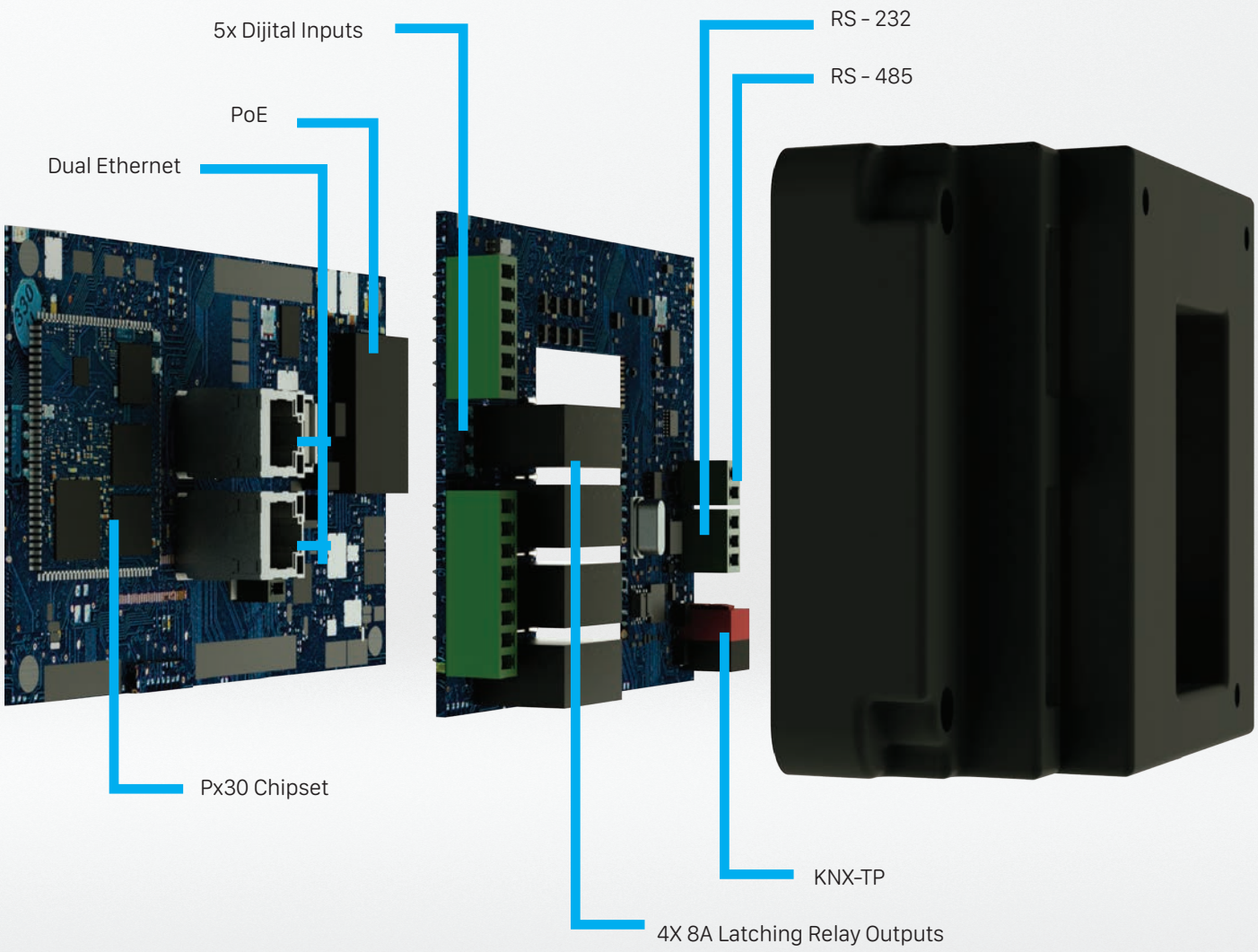
Our Touch Panels have the most commonly used automation interfaces internally. this allows devices from different protocols to be used together in the same project. In addition the integrator does not need additional converters or adapters for these interfaces.

**Dual Network Connection**

ETH 0

ETH 1

The touch screens have 2 ethernet network interfaces that can connect to different IP networks. Especially in large residential projects, the separation of the home network and Intercom network is an important feature for the stable operation of the intercom system.



# CoreOS 4.0

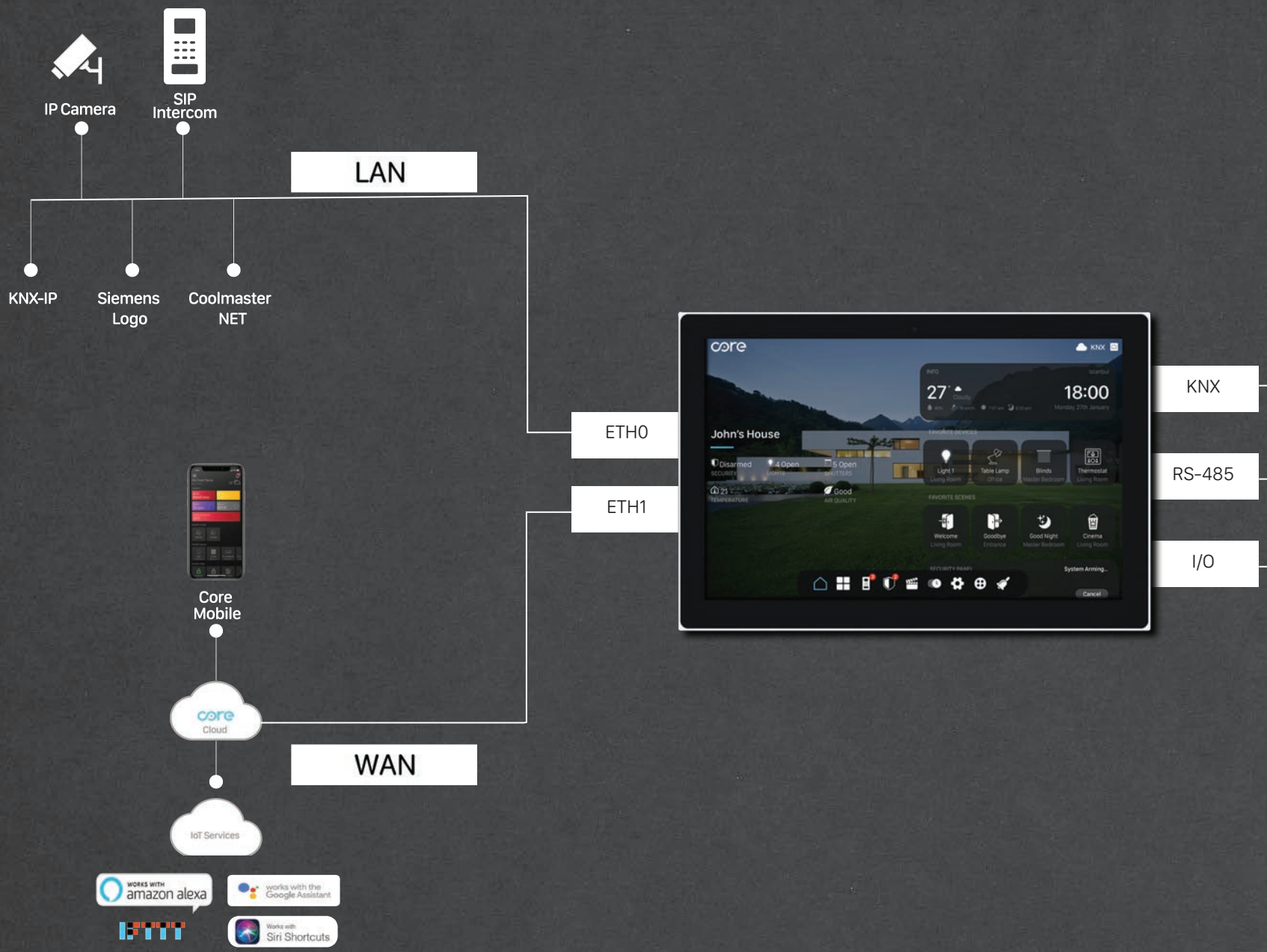
**The most powerful software platform developed for KNX system**

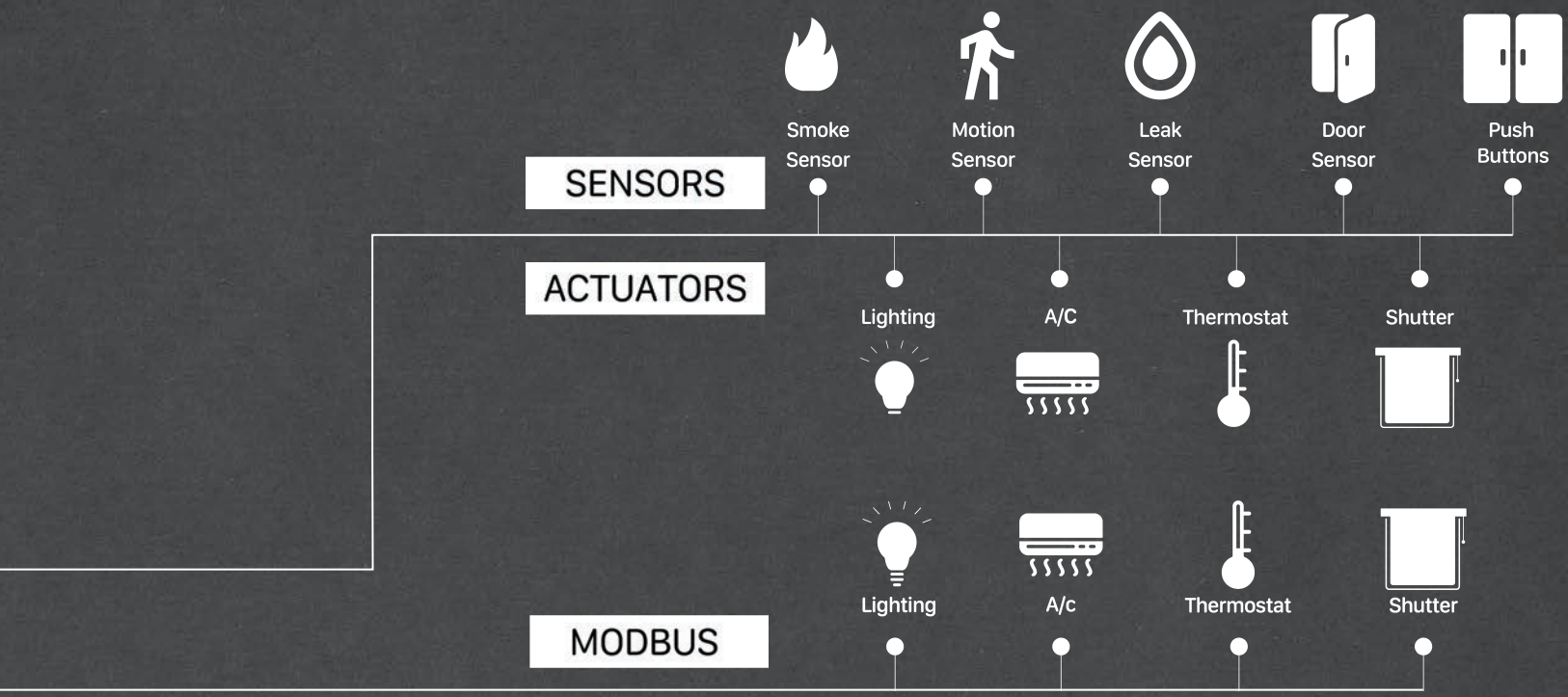
- Server of Core Smart Home
- Intercom Client
- A True Gateway to IoT World
- Remote Controller

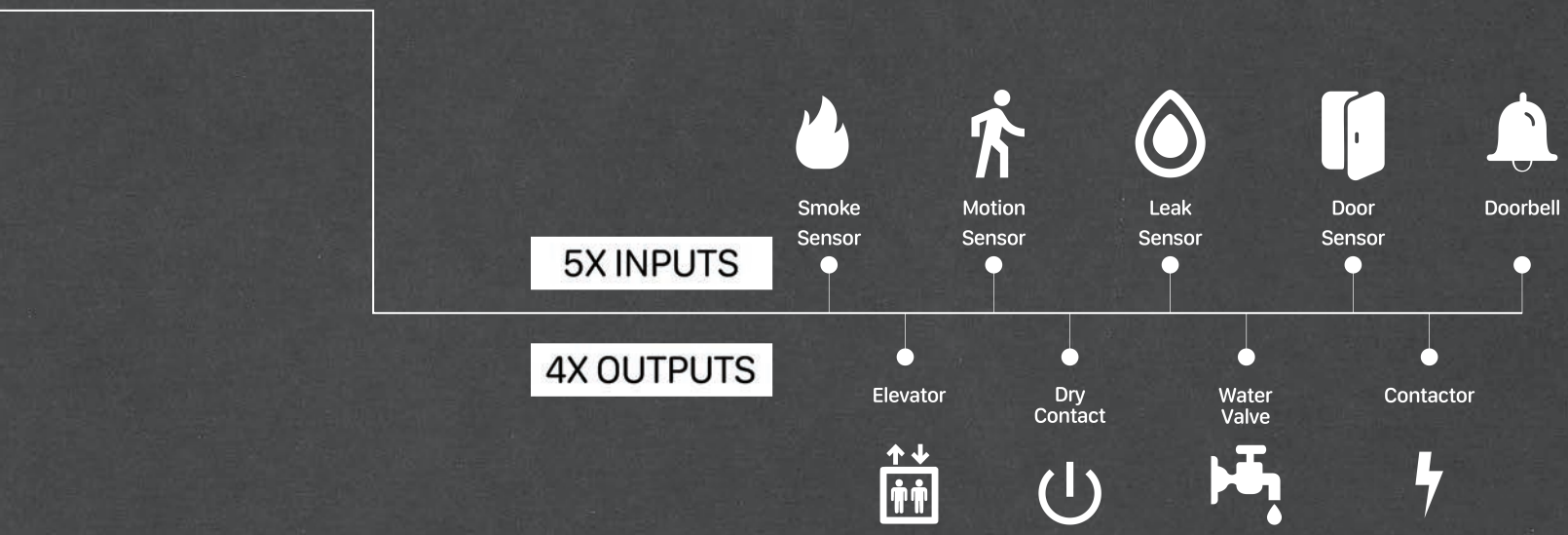
CoreOS 4.0

Audio Element
Bam Bam
Camilla Cabello
Familia
Termostat Element
core
John's House
Disarmed
SECURITY
4 Open
LIGHTS
5 Open
SHUTTERS
21
TEMPERATURE
Good
AIR QUALITY
INFO
27
Cloudy
Istanbul
18:00
Monday, 27th January
KNX
FAVORITE DEVICES
Light 1
Living Room
Table Lamp
Office
Blinds
Master Bedroom
Thermostat
Living Room
FAVORITE SCENES
Welcome
Living Room
Goodbye
Entrance
Good Night
Master Bedroom
Cinema
Living Room
SECURITY PANEL
System Arming...
Cancel
Rooms
John's House
Ground Floor
Living Room 1
Bedroom 1
Bedroom 2
Dinner Room
Living Room 2
Second Floor
Living Room 1
4 Open
LIGHTS
5 Open
SHUTTERS
Good
AIR QUALITY
ALL DEVICES
Light On
Switching Element
Air conditioning Off
Air conditioning
Set
Playing
Living Room Audio
Robot Vacuum Cleaner
%50
Coffee
Light On
Lampsha
Kitchen
Rgbw Element
KNX
Kitchen
Switching Element
SHORTCUTS

# System Topology




SENSORS
Smoke Sensor
Motion Sensor
Leak Sensor
Door Sensor
Push Buttons
ACTUATORS
Lighting
A/C
Thermostat
Shutter
MODBUS
Lighting
A/c
Thermostat
Shutter


5X INPUTS
Smoke Sensor
Motion Sensor
Leak Sensor
Door Sensor
Doorbell
4X OUTPUTS
Elevator
Dry Contact
Water Valve
Contactor

# KNX Home Controller

CoreOS 4.0 is designed to control and visualise all device types in KNX ecosystem.

KNX

IoT Devices

Modbus TCP

Modbus-RTU

I/O
Integrated I/O

Blinds

Jalusie

Scene

Switching

Dimming

RGB Control

Energy Display

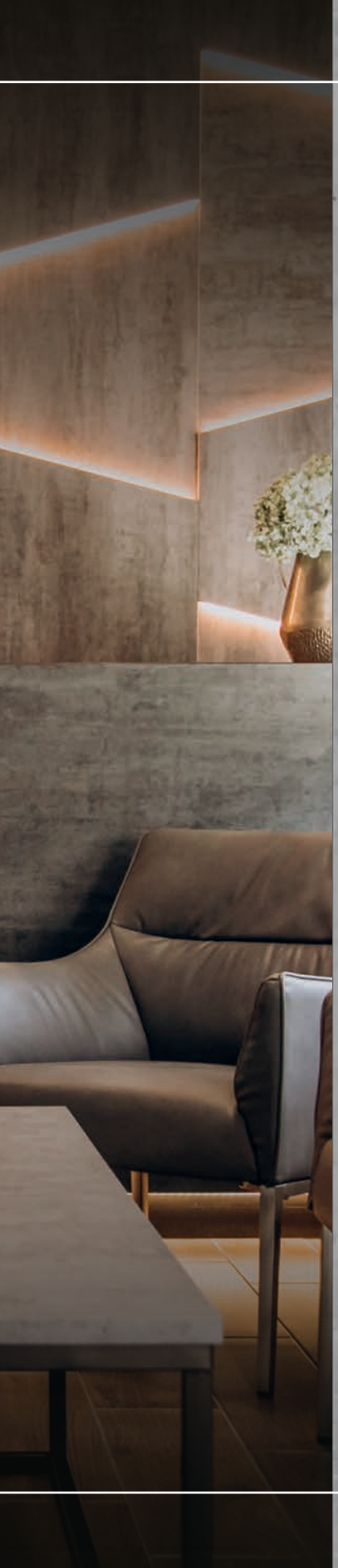
Audio

Air Quality

Tunable White

RTC Control

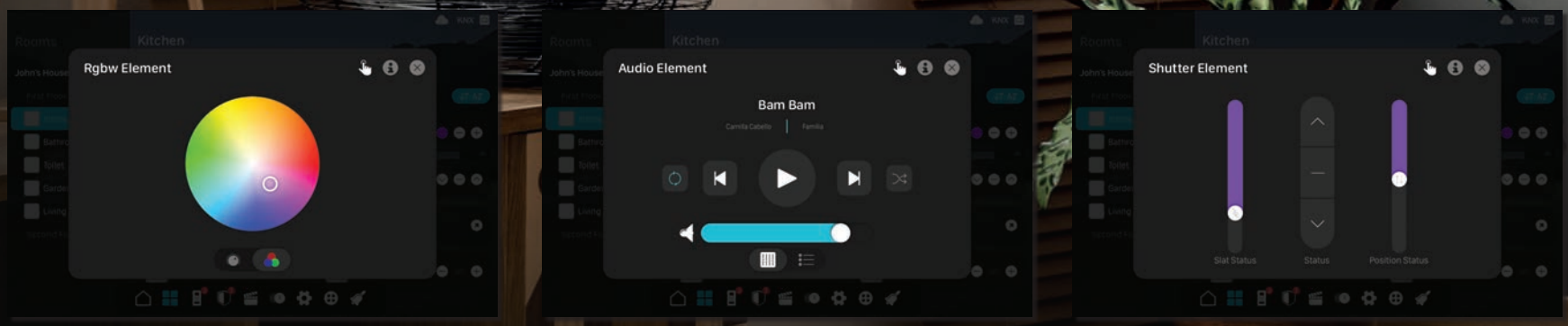
AC Control



core
KNX
INFO
Istanbul
27°
Cloudy
18:00
Monday, 27th January
John's House
FAVORITE DEVICES
Disarmed
SECURITY
4 Open
LIGHTS
5 Open
SHUTTERS
Light 1
Living Room
Table Lamp
Office
Blinds
Master Bedroom
Thermostat
Living Room
21 °C
TEMPERATURE
Good
AIR QUALITY
FAVORITE SCENES
Welcome
Living Room
Goodbye
Entrance
Good Night
Master Bedroom
Cinema
Living Room
SECURITY PANEL
System Arming...
Cancel

# KNX Home Controller

You can control all functions of KNX devices in detail-in addition to individual controls, Scenes and triggers provide multiple controls and automated tasks at glance



Rooms
Kitchen
KNX
John's House
Termostat Element
24.5 °C
21.3 °C
45 %
Toilet
Living

# Intercom Client

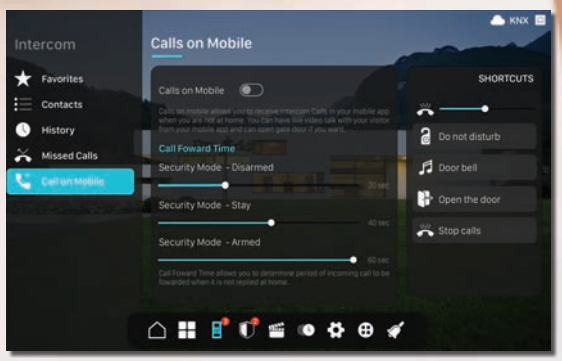
**Welcome your visitors with Core Touch Panels**

Welcome your visitors with crystal clear sound and two way video calls whether you are at home or not.

**Indoor panel powered by SIP Technology**

Core Touch Panels are perfect intercom indoor panels for single-family homes, villas, residences or office towers.

Using IP Technology and SIP Protocol provides robust communication, high resolution video calls and compatibility with most common Intercom door stations around the world.



Element Name
00:00
Light 1
Door Entrance
Open the Door
Office
Blinds
Outdoor Station Calling...
Accept
Decline

# Intercom Client

**Robust Intercom Communication with Dual Network Interfaces**

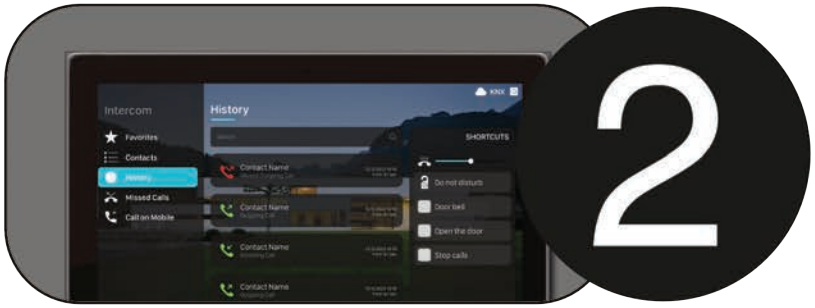
Core Touch Panels have dual network connection which provides separating home and building network in large building projects. In this way building network is reserved for intercom communication thus providing robust connection for multiple intercom calls at the same time.

## **Call on Mobile,** Always at home, wherever you are.

With Core Mobile App don't miss your visitors or packages any more. Respond to visitors at your door immediately via Core Mobile App, whether you are at home or on the other side of the world.

Visitor will initiate call request via: SIP intercom door phone.

**Please check Call on Mobile compatible SIP door phones*




Touch panel will receive the intercom call and expect to be responded in a specified time at home.

You receive a video call to your mobile app, after incoming call is not responded at your home in a specified time period.

# A True Gateway to IoT World

**Seamless IoT Integrations with KNX Systems**

Core Touch Panels are gateways between KNX Systems and IoT world natively without need of additional hardware or software.

WORKS WITH amazon alexa

works with the Google Assistant

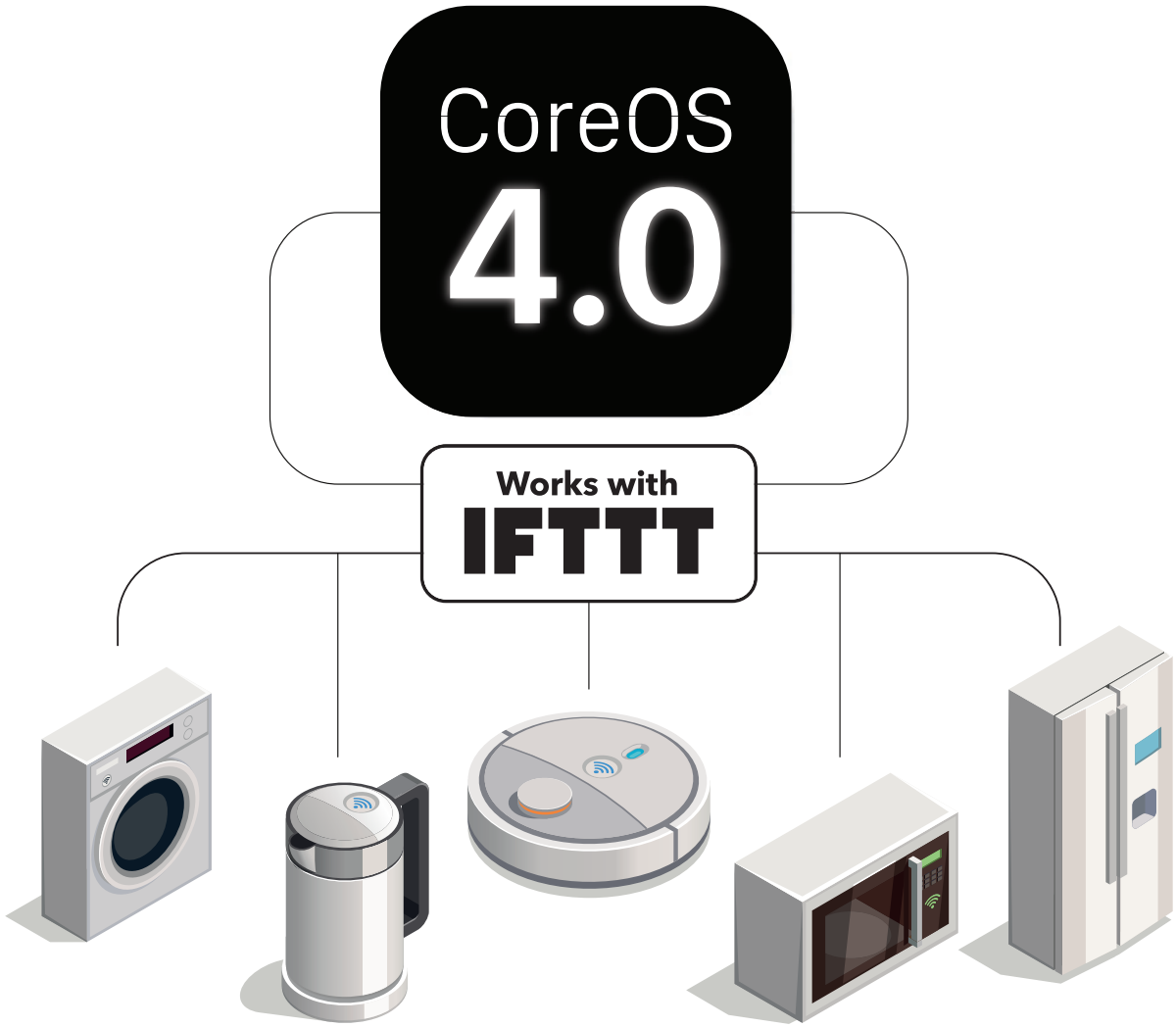
Works with IFTTT

Works With Siri Shortcuts

# A True Gateway to IoT World

**IFTTT Integration**

Autornate KNX System with IoT World by Core Touch Panels If-This-Then-That functions open a whole world of new options for running your home automatically. Using the IFTTT principle, you can even link appliances and services from IoT world.



Turn-on Hue Ambient Lights,
When chilling scene activated.

Start iRobot, When goodbye scene activated

## Hey Google, Turn on Welcome Scene!

You can control Core scenes and devices with Google Assistant and Google Home Devices.

## Amazon Alexa

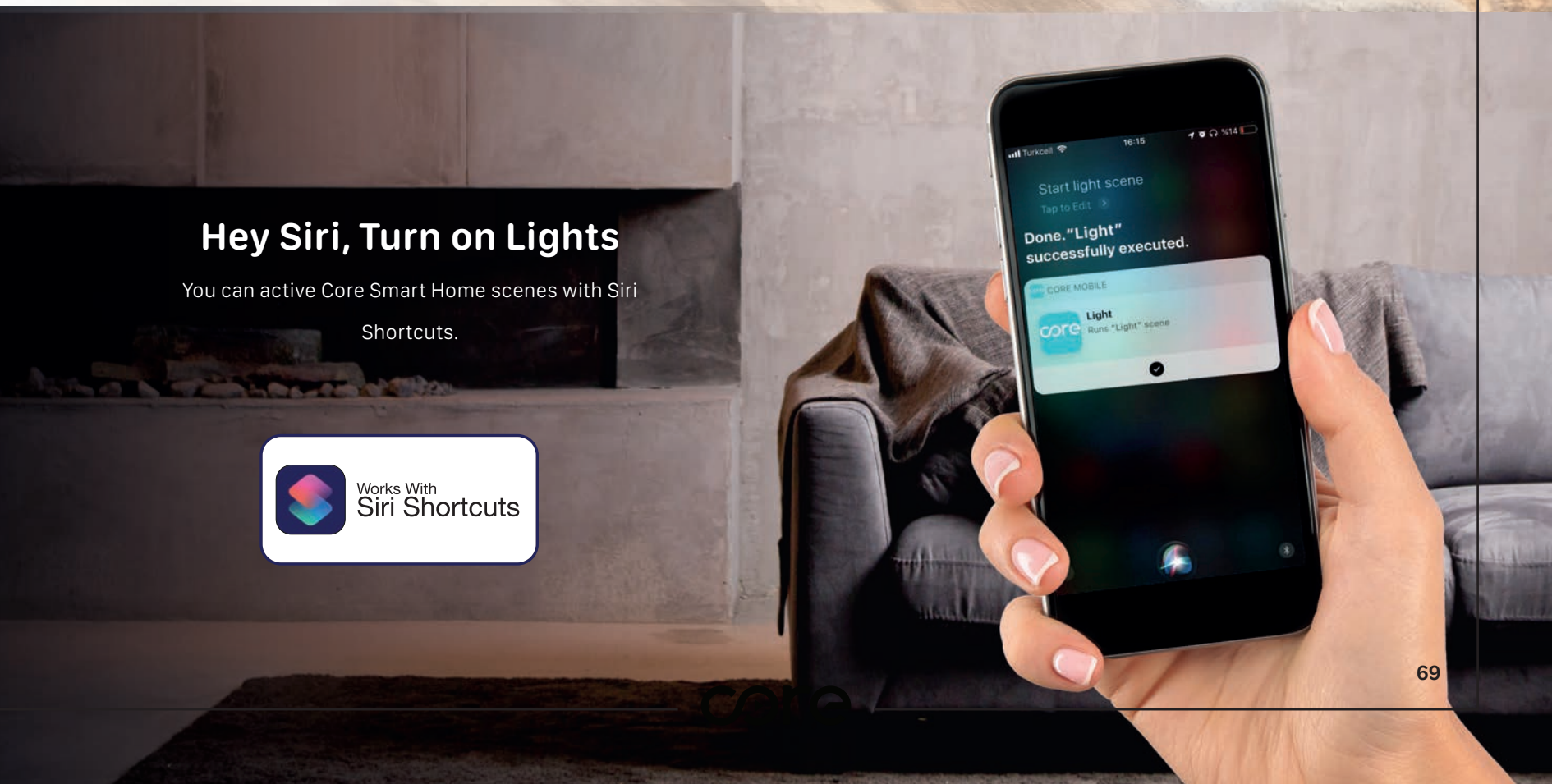
You can control Core scenes with voice commands to Amazon Echo Devices

WORKS WITH amazon alexa

## Hey Siri, Turn on Lights

You can active Core Smart Home scenes with Siri Shortcuts.

Works With Siri Shortcuts



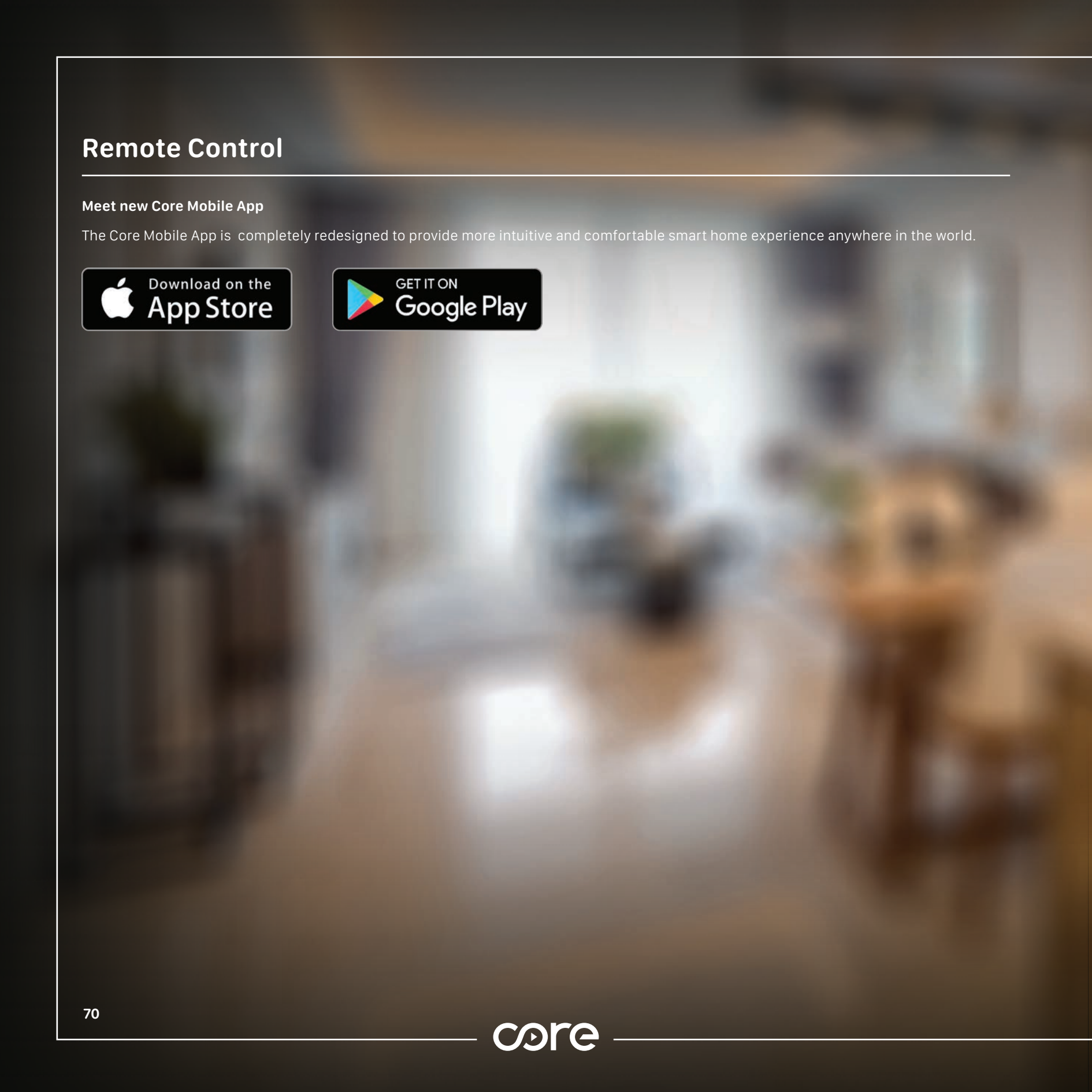
# Remote Control

**Meet new Core Mobile App**

The Core Mobile App is  completely redesigned to provide more intuitive and comfortable smart home experience anywhere in the world.

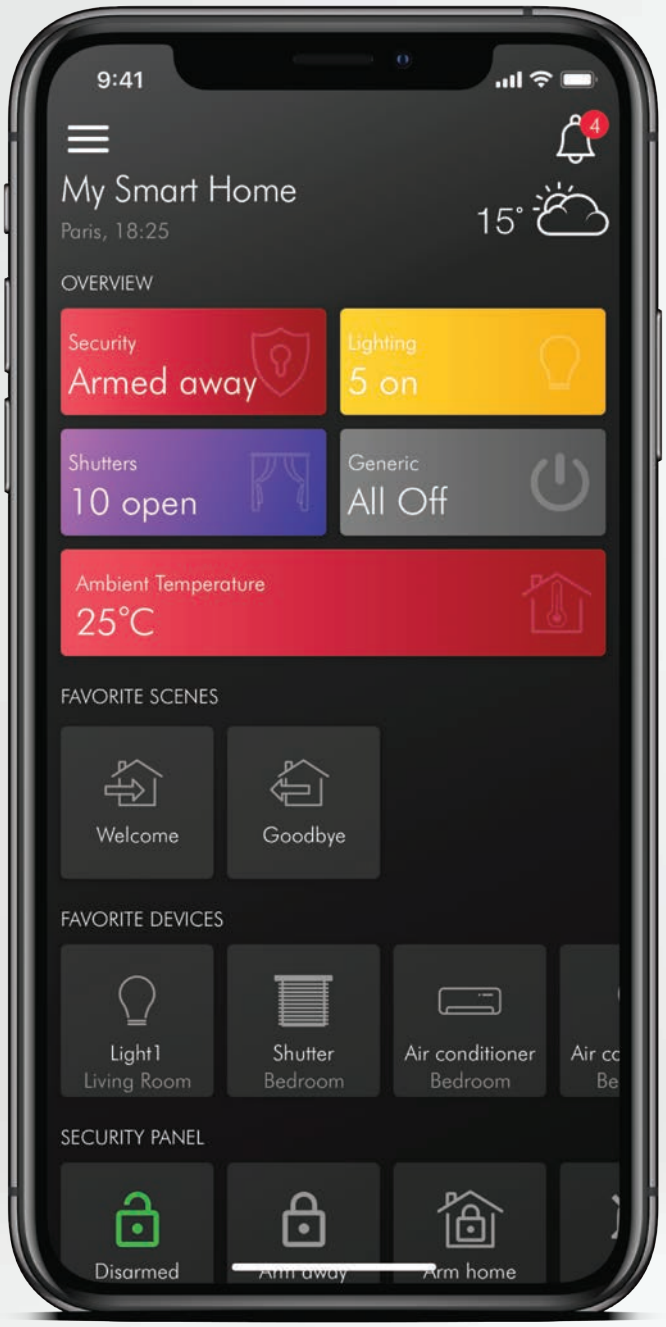
Download on the App Store

GET IT ON Google Play



9:41
My Smart Home
Paris, 18:25
15°
OVERVIEW
Security
Alarm!
Lighting
5 on
Shutters
10 open
Generic
All Off
Climate
Cooling, 22°
Welcome
Goodbye
FAVORITE DEVICES
Light
Living Room
Shutter
Bedroom
Air conditioner
Bedroom
SECURITY PANEL

# Remote Control



**The Center of Your Home**

Dashboard of Core Mobile App is designed visualize status of your home and control devices efficiently as soon as you turn on app.

**Navigate Your Smart Devices Intuitively**

Core Mobil is designed to control hundreds of devices so you can navigate devices in rooms and filter by device categories in any room easily.

**Control in Detail**

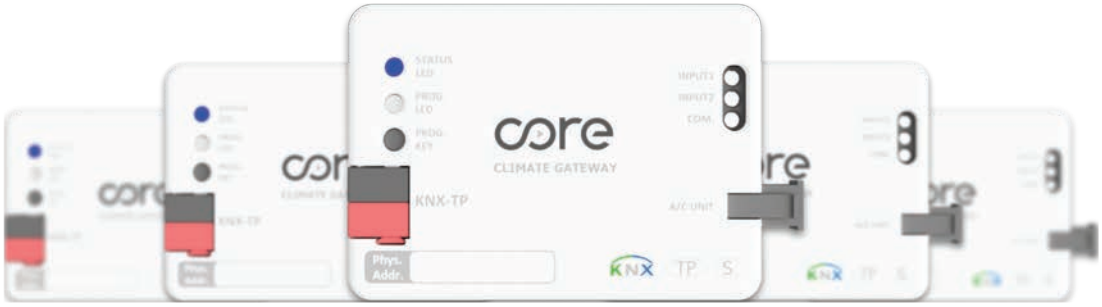
Core Mobile  is designed to control all functions of devices in your home.

**Secure Remote Connection**

Thanks to advanced cloud technologies, connections between Core Mobile App and Smart Panel Controller including all passwords are encrypted. Your privacy and data are secured and your home is protected from Hackers.

# Core KNX – AC Gateways

Communication between Air Conditioner indoor units and KNX Systems.




DAIKIN

MITSUBISHI ELECTRIC

SAMSUNG

LG

MITSUBISHI HEAVY INDUSTRIES

GREE

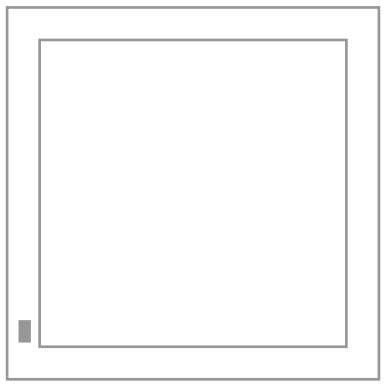
## Features

- Configured by ETS standard configuration tool.
- Offering wide range of KNX DPT objects to be compatible with most of the KNX thermostats in the market.
- Total control and monitoring of all functions of the AC unit from KNX including temperature, mode, fan speed, vane and wide vane
- Smooth integration of KNX thermostats allowing the control of the AC unit by the own temperature sensor of the thermostat.
- Reporting error logs to KNX systems
- Reduced dimensions allowing a quick installation inside the Air Conditioner unit.
- Fixing metal and magnet combination providing safe and proper installation
- Industrial grade connectors providing secure connection to AC unit and preventing failure of device or AC unit due to wrong terminal connections

# Technical Specifications

**Eclipse Room Controller**

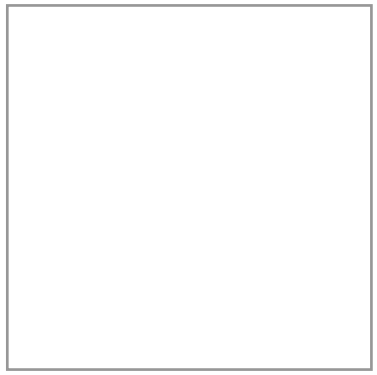
| | |
|---|---|
| **Processor:** | Arm Cortex-A7 900MHz<br>512 MB DDR3 RAM<br>Embedded Linux Operating System |
| **Display:** | IPS TFT<br>4" – 720px X 720px<br>400 cd/m2<br>HD Display |
| **Sensors:** | Temperature & Humidity<br>CO2<br>Proximity & Light |
| **Dimensions:** | 86mm X 86mm X 11mm |
| **Casing Material:** | Aluminum, Brass, Stainless Steel<br>depending on the finish selection |
| **Power:** | 29 VDC<br>via KNX Auxilary Power Supply |
| **Connectivity:** | KNX-TP |
| **Programming Tool:** | ETS |
| **KNX Figures:** | Max. Page: 12<br>Max. Control Element: 64<br>Max. KNX Communication Objects: 65536 |
| **Installation:** | German IEC/EN 60670 Inwall Box |

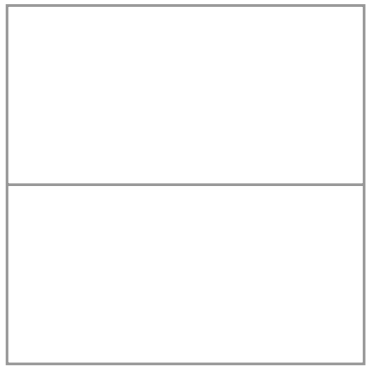


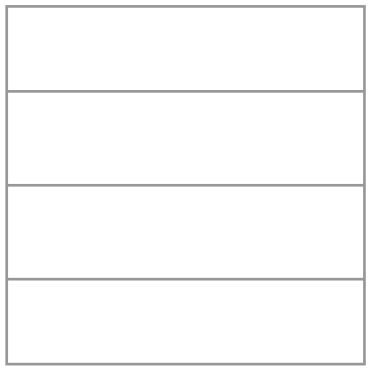
# Technical Specifications

**Eclipse Push-Button Switch**

| | |
|---|---|
| **Sensors:** | Temperature & Humidity<br>CO2<br>Proximity & Light |
| **Dimensions:** | 86mm X 86mm X 11mm |
| **Fold Material:** | Aluminum, Brass, Stainless Steel<br>depending on the finish selection |
| **Power:** | 29 VDC – 13 Watts<br>from KNX Bus-line |
| **Installation:** | German IEC/EN 60670 Inwall Box |



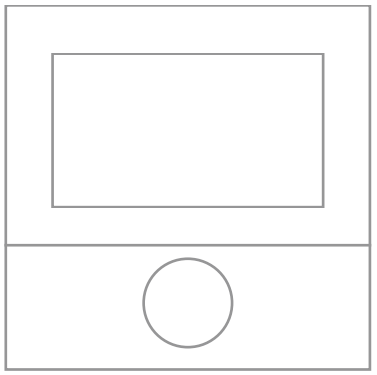




# Technical Specifications

**Eclipse Thermostat**

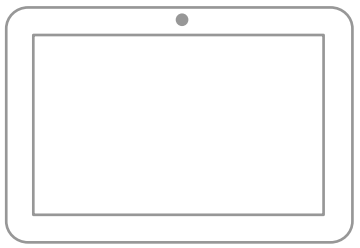
| | |
|---|---|
| **Dimensions:** | 86mm X 86mm X 11mm |
| **Fold Material:** | Aluminum, Brass, Stainless Steel<br>depending on the finish selection |
| **Knob Material:** | Brass, Stainless Steel<br>depending on the finish selection |
| **Power:** | 29 VDC<br>via KNX Auxilary Power Supply |
| **Connectivity:** | KNX-TP |
| **Optional Modules:** | VRV Modules<br>Mitsubishi Electric<br>Daikin<br>Samsung Nasa<br>LG<br>Gree<br>Mitsubishi Heavy |
| **Installation:** | German IEC/EN 60670 Inwall Box |

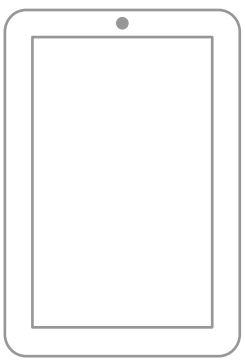


# Technical Specifications

**Eclipse Touch Panel**

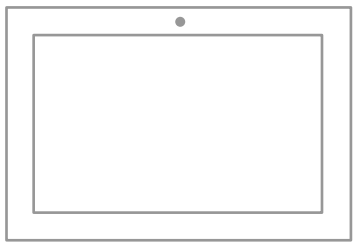
| | Eclipse 7'' KNX-TP | Eclipse 10'' KNX-TP |
|---|---|---|
| Gpu: | Quad Core ARM Cortex - A35 CPU @1.3GHz / Rockhip Px30 Chipset | Quad Core ARM Cortex - A35 CPU @1.3GHz / Rockhip Px30 Chipset |
| Memory | 2GB | 2GB |
| Hard Disk | 8GB EMMC | 8GB EMMC |
| Operating System | Android 8.1 | Android 8.1 |
| Power | 12VDC @ PoE | 12VDC @ PoE |
| Screen Size | 7'' | 10'' |
| Resolution | 600px x 1024px | 1280px x 800 px |
| Touch Panel | Projected capacitive Touch | Projected capacitive Touch |
| Microphonne | 1 with Echo Cancellation | 1 with Echo Cancellation |
| Speaker | 1x 8 Ohm -2 Watts | 1x 8 Ohm -2 Watts |
| Input | 5 Digital Inputs | 5 Digital Inputs |
| Output | 4x 8A Latching Relay | 4x 8A Latching Relay |
| KNX Bus Connection | KNX-TP | KNX-TP |
| RS-485 | 1 | 1 |
| RS-232 | 1 | 1 |
| LAN | 2 | 2 |
| Wi-Fi | No | No |
| Dual Network Connectivity | Yes | Yes |
| Drivers | KNX-TP, KNX IP, MODBUS RTU, MODBUS TCP, Siemens Logo | KNX-TP, KNX IP, MODBUS RTU, MODBUS TCP, Siemens Logo |
| IoT Integrations | IFTTT, Amazon Alexa, Google Home, Siri Shortcuts | IFTTT, Amazon Alexa, Google Home, Siri Shortcuts |
| Max Accessory Limit | 254 | 254 |
| Max Room Limit | 254 | 254 |
| Intercom Standart | SIP 2.0 Peer-to-Peer | SIP 2.0 Peer-to-Peer |
| Onwall Dimensions | 140mm x 196mm x 10 mm | 249mm x 168mm x 10 mm |
| Front Casing | Aluminum Casing | Aluminum Casing |





# Technical Specifications

**Surface Touch Panel**



| | Surface 10'' KNX-TP |
|---|---|
| Gpu: | Quad Core ARM Cortex - A35 CPU @1.3GHz / Rockhip Px30 Chipset |
| Memory | 2GB |
| Hard Disk | 8GB EMMC |
| Operating System | Android 8.1 |
| Power | 12VDC @ PoE |
| Screen Size | 10'' |
| Resolution | 1280px x 800 px |
| Touch Panel | Projected capacitive Touch |
| Microphonne | 1 with Echo Cancellation |
| Speaker | 1x 8 Ohm -2 Watts |
| Input | 5 Digital Inputs |
| Output | 4x 8A Latching Relay |
| KNX Bus Connection | KNX-TP |
| RS-485 | 1 |
| RS-232 | 1 |
| LAN | 2 |
| Wi-Fi | No |
| Dual Network Connectivity | Yes |
| Drivers | KNX-TP, KNX IP, MODBUS RTU, MODBUS TCP, Siemens Logo |
| IoT Integrations | IFTTT, Amazon Alexa, Google Home, Siri Shortcuts |
| Max Accessory Limit | 254 |
| Max Room Limit | 254 |
| Intercom Standart | SIP 2.0 Peer-to-Peer |
| Onwall Dimensions | 249mm x 168mm x 7mm |
| Front Casing | Aluminum Casing |

# Technical Specifications

**Core ME AC KNX Gateway**

| | |
|---|---|
| Power Supply | EIB Power Supply(29V Typical) |
| Connector Type | TP1 Bus Connector |
| External Power Supply | Not Required |
| Power Consumption | 10mA Max. |
| Operation Temperature | -10°C .. +70°C |
| Storage Temperature | -20°C .. +85°C |
| Operation Humidity | 5 .. 95% |
| Storage Humidity | 5 .. 95% |
| Complementary Mode | S-Mode, System-B |
| Operation Type | Continuous Operation |
| Degree of Protection | IP20 |
| Colour | White |
| Dimensions | 68.50mm X 49.00mm X 19.70mm |
| Programming Mode | PROG. KEY 1x Push Button<br>PROG. LED Indicates Programming Mode (Red) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |

| **INPUTS** | **DESCRIPTION** |
|---|---|
| Number of Inputs | 2 Digital Inputs |
| Inputs per Common | 2 |
| Operation Voltage | +3.3VDC @ Common |
| Operation Current | 1mA @ 3.3VDC per Input |
| Switching Type | Dry Voltage Contacts between Input and Common |
| Connector Type | Screw Terminal Block |
| Maximum Cable Length | 0.5-1mm2(IEC) / 26-16AWG(UL) |
| Indication | STATUS LED Indicates INPUT1 (Red)<br>STATUS LED Indicates INPUT2 (Green) |

| **INTERFACE SPECIFICATIONS** | **DESCRIPTION** |
|---|---|
| Cable Length | 1m approx. |
| Cable Specification | 4x0.34mm(29AWG) with Screen for reduced interference |
| Connector at A/C Unit Side | 5x1 Connector, White Housing with 2mm pitch, polarized |
| Connection at A/C Unit Side | CN105 Connector (CN92 In Some Models) |

# Technical Specifications

**Core Daikin VRV KNX Gateway**

| | |
|---|---|
| Power Supply | EIB Power Supply(29V Typical) |
| Connector Type | TP1 Bus Connector |
| External Power Supply | Not Required |
| Power Consumption | 10mA Max. |
| Operation Temperature | -10°C .. +70°C |
| Storage Temperature | -20°C .. +85°C |
| Operation Humidity | 5 .. 95% |
| Storage Humidity | 5 .. 95% |
| Complementary Mode | S-Mode, System-B |
| Operation Type | Continuous Operation |
| Degree of Protection | IP20 |
| Colour | White |
| Dimensions | 68.50mm X 49.00mm X 19.70mm |
| Programming Mode | PROG. KEY 1x Push Button<br>PROG. LED Indicates Programming Mode (Red) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |
| **INPUTS** | **DESCRIPTION** |
| Number of Inputs | 2 Digital Inputs |
| Inputs per Common | 2 |
| Operation Voltage | +3.3VDC @ Common |
| Operation Current | 1mA @ 3.3VDC per Input |
| Switching Type | Dry Voltage Contacts between Input and Common |
| Connector Type | Screw Terminal Block |
| Maximum Cable Length | 0.5-1mm2(IEC) / 26-16AWG(UL) |
| Indication | STATUS LED Indicates INPUT1 (Red)<br>STATUS LED Indicates INPUT2 (Green) |

| **INTERFACE SPECIFICATIONS** | **DESCRIPTION** |
|---|---|
| Cable Length | 1m approx. |
| Cable Specification | 2x0.34mm(29AWG) with Screen for reduced interference |
| Connector at A/C Unit Side | 2x0.34mm(29AWG) with Screen (Green and Yellow), non-polarized |
| Connection at A/C Unit Side | P1, P2 Terminal |

# Technical Specifications

**Core Samsung NASA KNX Gateway**

| | |
|---|---|
| Power Supply | EIB Power Supply(29V Typical) |
| Connector Type | TP1 Bus Connector |
| External Power Supply | Not Required |
| Power Consumption | 10mA Max. |
| Operation Temperature | -10°C .. +70°C |
| Storage Temperature | -20°C .. +85°C |
| Operation Humidity | 5 .. 95% |
| Storage Humidity | 5 .. 95% |
| Complementary Mode | S-Mode, System-B |
| Operation Type | Continuous Operation |
| Degree of Protection | IP20 |
| Colour | White |
| Dimensions | 68.50mm X 49.00mm X 19.70mm |
| Programming Mode | PROG. KEY 1x Push Button<br>PROG. LED Indicates Programming Mode (Red) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |

| **INPUTS** | **DESCRIPTION** |
|---|---|
| Number of Inputs | 2 Digital Inputs |
| Inputs per Common | 2 |
| Operation Voltage | +3.3VDC @ Common |
| Operation Current | 1mA @ 3.3VDC per Input |
| Switching Type | Dry Voltage Contacts between Input and Common |
| Connector Type | Screw Terminal Block |
| Maximum Cable Length | 0.5-1mm2(IEC) / 26-16AWG(UL) |
| Indication | STATUS LED Indicates INPUT1 (Red)<br>STATUS LED Indicates INPUT2 (Green) |

| **INTERFACE SPECIFICATIONS** | **DESCRIPTION** |
|---|---|
| Cable Length | 1m approx. |
| Cable Specification | 2x0.34mm(29AWG) with Screen for reduced interference |
| Connector at A/C Unit Side | 2x0.34mm(29AWG) with Screen (F3 Green and F4 Yellow), polarized |
| Connection at A/C Unit Side | F3, F4 Terminal |

# Technical Specifications

**Core LG VRF KNX Gateway**

| | |
|---|---|
| Power Supply | EIB Power Supply(29V Typical) |
| Connector Type | TP1 Bus Connector |
| External Power Supply | Not Required |
| Power Consumption | 10mA Max. |
| Operation Temperature | -10°C .. +70°C |
| Storage Temperature | -20°C .. +85°C |
| Operation Humidity | 5 .. 95% |
| Storage Humidity | 5 .. 95% |
| Complementary Mode | S-Mode, System-B |
| Operation Type | Continuous Operation |
| Degree of Protection | IP20 |
| Colour | White |
| Dimensions | 68.50mm X 49.00mm X 19.70mm |
| Programming Mode | PROG. KEY 1x Push Button<br>PROG. LED Indicates Programming Mode (Red) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |

| **INPUTS** | **DESCRIPTION** |
|---|---|
| Number of Inputs | 2 Digital Inputs |
| Inputs per Common | 2 |
| Operation Voltage | +3.3VDC @ Common |
| Operation Current | 1mA @ 3.3VDC per Input |
| Switching Type | Dry Voltage Contacts between Input and Common |
| Connector Type | Screw Terminal Block |
| Maximum Cable Length | 0.5-1mm2(IEC) / 26-16AWG(UL) |
| Indication | STATUS LED Indicates INPUT1 (Red)<br>STATUS LED Indicates INPUT2 (Green) |

| **INTERFACE SPECIFICATIONS** | **DESCRIPTION** |
|---|---|
| Cable Length | 1m approx. |
| Cable Specification | 3x0.34mm(29AWG) with Screen for reduced interference |
| Connector at A/C Unit Side | 3x1 Connector, White Housing with 2.5mm pitch, polarized (V+ Brown, Data Yellow, V- White) |
| Connection at A/C Unit Side | CN-Remo Connector |

# Technical Specifications

**Core GREE AC KNX Gateway**

| | |
|---|---|
| Power Supply | EIB Power Supply(29V Typical) |
| Connector Type | TP1 Bus Connector |
| External Power Supply | Not Required |
| Power Consumption | 10mA Max. |
| Operation Temperature | -10°C .. +70°C |
| Storage Temperature | -20°C .. +85°C |
| Operation Humidity | 5 .. 95% |
| Storage Humidity | 5 .. 95% |
| Complementary Mode | S-Mode, System-B |
| Operation Type | Continuous Operation |
| Degree of Protection | IP20 |
| Colour | White |
| Dimensions | 68.50mm X 49.00mm X 19.70mm |
| Programming Mode | PROG. KEY 1x Push Button<br>PROG. LED Indicates Programming Mode (Red) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |

| **INPUTS** | **DESCRIPTION** |
|---|---|
| Number of Inputs | 2 Digital Inputs |
| Inputs per Common | 2 |
| Operation Voltage | +3.3VDC @ Common |
| Operation Current | 1mA @ 3.3VDC per Input |
| Switching Type | Dry Voltage Contacts between Input and Common |
| Connector Type | Screw Terminal Block |
| Maximum Cable Length | 0.5-1mm2(IEC) / 26-16AWG(UL) |
| Indication | STATUS LED Indicates INPUT1 (Red)<br>STATUS LED Indicates INPUT2 (Green) |

| **INTERFACE SPECIFICATIONS** | **DESCRIPTION** |
|---|---|
| Cable Length | 1m approx. |
| Cable Specification | 2x0.34mm(29AWG) with Screen for reduced interference |
| Connector at A/C Unit Side | 2x0.34mm(29AWG) with Screen (Green and Yellow), non-polarized |
| Connection at A/C Unit Side | H1, H2 Terminal |

# Technical Specifications

**Core Mitsubishi Heavy VRF KNX Gateway**

| | |
|---|---|
| Power Supply | EIB Power Supply(29V Typical) |
| Connector Type | TP1 Bus Connector |
| External Power Supply | Not Required |
| Power Consumption | 10mA Max. |
| Operation Temperature | -10°C .. +70°C |
| Storage Temperature | -20°C .. +85°C |
| Operation Humidity | 5 .. 95% |
| Storage Humidity | 5 .. 95% |
| Complementary Mode | S-Mode, System-B |
| Operation Type | Continuous Operation |
| Degree of Protection | IP20 |
| Colour | White |
| Dimensions | 68.50mm X 49.00mm X 19.70mm |
| Programming Mode | PROG. KEY 1x Push Button<br>PROG. LED Indicates Programming Mode (Red) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |

| **INPUTS** | **DESCRIPTION** |
|---|---|
| Number of Inputs | 2 Digital Inputs |
| Inputs per Common | 2 |
| Operation Voltage | +3.3VDC @ Common |
| Operation Current | 1mA @ 3.3VDC per Input |
| Switching Type | Dry Voltage Contacts between Input and Common |
| Connector Type | Screw Terminal Block |
| Maximum Cable Length | 0.5-1mm2(IEC) / 26-16AWG(UL) |
| Indication | STATUS LED Indicates INPUT1 (Red)<br>STATUS LED Indicates INPUT2 (Green) |

| **INTERFACE SPECIFICATIONS** | **DESCRIPTION** |
|---|---|
| Cable Length | 1m approx. |
| Cable Specification | 4x0.34mm(29AWG) with Screen for reduced interference |
| Connector at A/C Unit Side | 5x1 Connector, White Housing with 2mm pitch, polarized |
| Connection at A/C Unit Side | X,Y Terminal |

Core products are designed to provide a flawless smart home experience.
They have elegant design and innovative technological features.

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