



SMART DESIGN AND TECHNOLOGY

GUEST ROOM MANAGEMENT SYSTEM

MANAGE YOUR HOTEL BETTER WITH TOCCATA

ToCCata is a RMS (Room management system) that incorporates room monitoring and hotel management.



ENERGY EFFICIENCY



GUEST COMFORT



MODERN DESIGN



INTUITIVE



MODULAR



WHY TOCCATA?

ToCCata represents a scalable, modular system which optimizes daily operations and improves the quality of hotel management.

It provides real-time monitoring of numerous events such as door state, presence in the room, temperature measurement, room fan speed. It is intended for usage by the reception and management staff to enable better service and increase energy efficiency.

 **ToCCata**
YOUR HOSPITALITY PARTNER



ROOM MONITORING



ROOM MANAGEMENT



STAFF MANAGEMENT



MOBILE APP



PMS INTEGRATION



COMMON AREA CONTROL



FEATURES

Monitors & controls temperature, lights, blinds

Monitors status of the room (DND, MUR, SOS)

Supports seasonal programming of temperature settings

Supports encoding keycards for guests and staff (MIFARE)

Tracks all events in the hotel

Staff management module

Tracks all emergencies through integrated alarm system

BMS, PMS, CMS Integration over TCP/IP or BACnet IP

Real-time event and alarm log



BASIC ELEMENTS

ToCCata

ToCCata is a Room management system that incorporates room monitoring and hotel management. The application enables an unlimited number of users.

Web BACnet Router

Web BACnet router represents a connection between rooms and hotel monitoring system, using a BACnet protocol to connect to controllers and TCP/IP to further connect to the network.

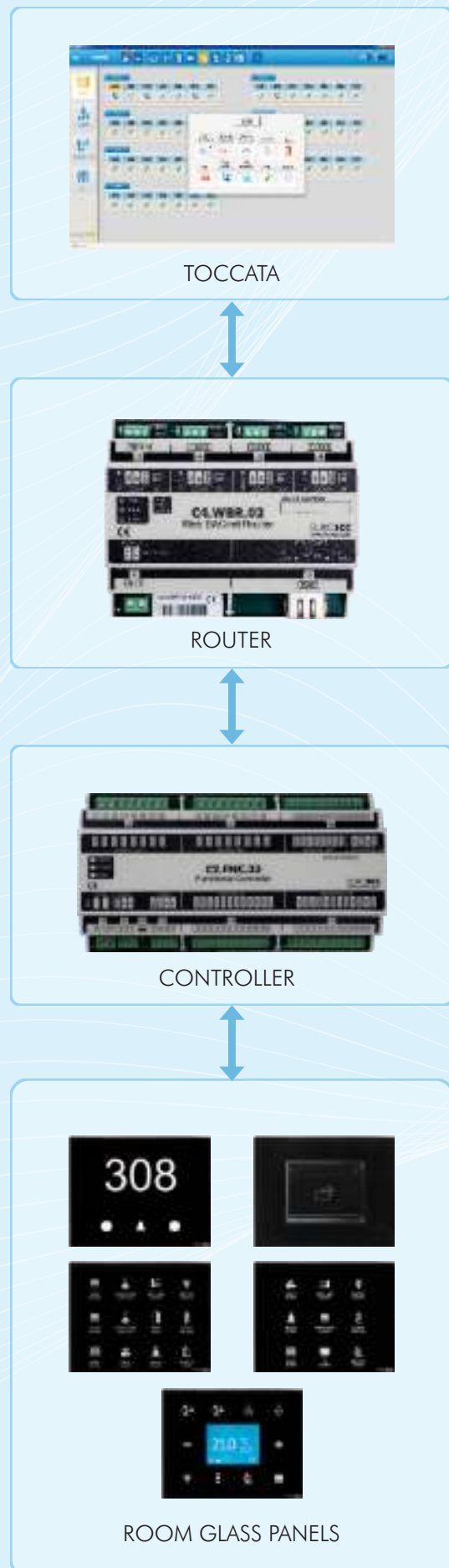
Controller

Master Controller can be chosen from a variety of our controllers depending on requirements. The user may mix and match various IO resources (binary or universal inputs, binary or analog outputs) and communication protocols (Modbus and BACnet MSTP).

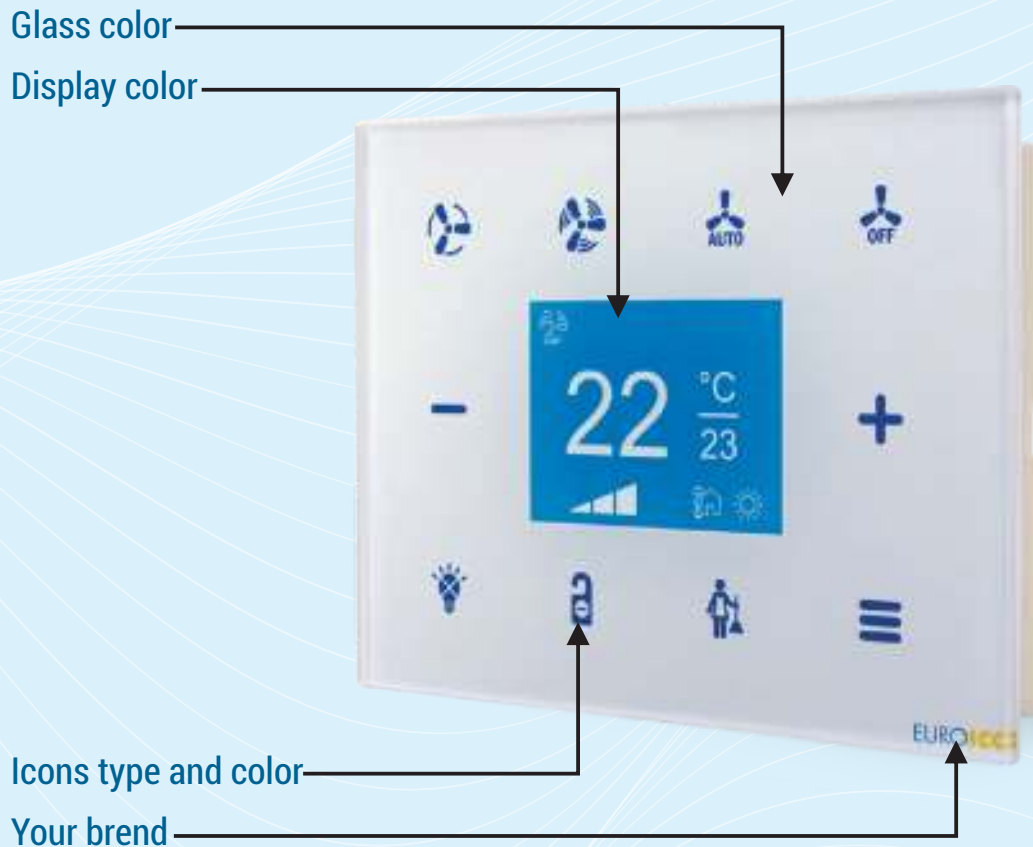
Room Glass Panels

Room units are defined based on needs, design, technical solution, etc. They are luxurious glass touch panels. Depending on the room configuration, they can include a card holder, corridor panel, thermostat units, bedside panels, and much more. There is also a wide selection of colors and pictogram designs to choose from. Room units are connected to a controller via Modbus protocol.

**It is a scalable system
meaning new elements can
easily be added to meet the
system requirements.**



GLASS PANEL CUSTOMIZATION



GLASS COLOR

DISPLAY COLOR

ICONS TYPE AND COLOR

YOUR BRAND

Every hotel owner wishes his hotel to be original and unique. Glass panels we offer could be what your hotel will be recognized and remembered by. Our glass panels are fully customizable which means that you can choose any design you wish. Decide upon the glass and display colors and patterns, choose the type and color of icons. Put your brand on the glass panels and make them a multi-functional decoration which perfectly matches the rest of your interior design while being extremely user-friendly.

ROOM GLASS PANELS

Built with intention to enable interior designers to achieve outstanding design results, this series of PLCs stands out by its unique glass based user interface. The glass color and patterns are fully customizable allowing plethora of options for designers to work with. At the same time, the series brings to life a concept of modularity which allows it to achieve easy functional transformations and enable a multitude of IO and communication options.

This series of products has been originally intended for applications in hotel systems of different complexities. However, it has been shown that it can be deployed with the same ease within business, office or residential spaces and areas.

With numerous options and built-in modularity it is a genuine refreshment on the market enabling new possibilities.



EASILY MANAGE, MONITOR AND CONTROL YOUR HOME, OFFICE OR HOTEL



LIGHTS



AIR CONDITIONING



TEMPERATURE



HOME APPLIANCES



ALARMS



MONITORING



RG.CSx.yz - Front view

Devices description

RG.CSx.yz product family is a group of programmable card reader devices designed for hotels. They are to be placed in corridor next to a room door.

The device provides additional functionality thanks to its 3 capacitive keys and 3 bicolor LED indicators. The device can communicate with Mifare 1K RFID cards.

The **RG.CSA.yz** devices communicate with the rest of the system using RS485 port while **RG.CSW.yz*** uses Wi-Fi network.

TECHNICAL DATA		RG.CSx.01
Electrical Specifications		
Power supply		Nominal: 24 VDC, 1 W Voltage range: 12 ... 30 VDC
Communication Channel		
RG.CRA.yz	RS 485	BACnet MS/TP or Modbus Slave RTU/ASCII. Programmable baud rate (9600, 19200, 38400, 76800, 115200), Jumper selectable use of termination and polarization resistors
RG.CRW.yz*	Wireless	Wi-Fi IEEE 802.11 b/g/n: UDP, TCP, MQTT - under development
	USB	USB device, mini USB connector, service port
User Interface		
Room number		YES
Capacitive keys		3
Additional Specifications		
Operating temperature		0.. +55 °C
Storage temperature		-30.. +80 °C
Operating humidity		Max 95% r.H., no condensation
Protection degree		IP 20
Mounting		Wall mounting, for indoor use only
Dimensions		Built-in: 72x53x35 mm Front panel: 130x102x12 mm
Weight		200 g

* Device under development



RG.CSx.yz - Front view



RG.CSx.yz - Back and side view

- Supports Mifare 1K RFID card
- Additional functionality provided with capacitive keys and LED indicators with bicolor backlight
- Room number backlight
- Configuration, programming and debugging is done using PC based tool through a USB port
- Resource sharing between controllers through BACnet network. Data sharing is performed without intervention of the supervisory system
- Jumper selectable standard polarization and termination resistors on RS485 terminal



RG.CHx.yz - Front view

Devices description

RG.CHx.yz product family is a group of programmable card holder devices, designed for hotels. Its intended usage is to be placed inside the room near the entrance door. The card holder has a backlight.

The devices can communicate with Mifare 1K RFID cards. The devices provide additional functionality thanks to a collection of digital inputs and outputs.

The **RG.CHx.yz** devices communicate with the rest of the system using RS485 port while **RG.CHW.yz*** uses Wi-Fi network.

TECHNICAL DATA		RG.CHx.01	RG.CHx.10
Electrical Specifications			
Power supply		Nominal: 24 VDC, 1 W Voltage range: 12 ... 30 VDC	
Communication Channel			
RG.CHA.yz	RS 485	BACnet MS/TP or Modbus Slave RTU/ASCII. Programmable baud rate (9600, 19200, 38400, 76800, 115200), Jumper selectable use of termination and polarization resistors	
RG.CHW.yz*	Wireless	Wi-Fi IEEE 802.11 b/g/n: UDP, TCP, MQTT - under development	
	USB	USB device, mini USB connector, service port	
Inputs			
Potential-free inputs		-	2
Outputs			
Relay output 250VAC/5A		-	2
Additional Specifications			
Operating temperature		0.. +55 °C	
Storage temperature		-30.. +80 °C	
Operating humidity		Max 95% r.H., no condensation	
Protection degree		IP 20	
Mounting		Wall mounting, for indoor use only	
Dimensions		Built-in: 72x53x35 mm Front panel: 130x102x12 mm	
Weight		200 g	

* Device under development



RG.CHx.yz - Front view



RG.CHx.yz - Back and side view



- Supports Mifare 1K RFID cards
- Card slot backlight
- Configuration, programming and debugging is done using PC based tool through USB port

- Resource sharing between controllers through BACnet network. Data sharing is performed without intervention of the supervisory system
- Jumper selectable standard polarization and termination resistors on RS485 terminal



RG.RDx.yz - Front view

Devices description

RG.RDx.yz product family is a group of programmable home display units. It can be used as user interface in various home automation systems.

Devices from this family feature QVGA (320x240) TFT color display, 10 capacitive keys with bicolor dimmable backlight and embedded temperature probe.

The **RG.RDA.yz** devices communicate with the rest of the system using RS485 port while **RG.RDW.yz*** uses Wi-Fi network.



RG.RDx.yz - Front, back and side view

TECHNICAL DATA		RG.RDx.01	RG.RDx.03	RG.RDx.10	RG.RDx.11
Power supply		Nominal: 24 VDC, 1 W Voltage range: 12 ... 30 VDC			
Communication Channel					
RG.RDA.yz	RS 485	BACnet MS/TP or Modbus Slave RTU/ASCII. Programmable baud rate (9600, 19200, 38400, 76800, 115200), Jumper selectable use of termination and polarization resistors			
RG.RDW.yz*	Wireless	Wi-Fi IEEE 802.11 b/g/n: UDP, TCP, MQTT - under development			
	USB	USB device, mini USB connector, service port			
Inputs					
Embedded temperature probe	1	1	1	1	
Potential free inputs	-	-	2	2	
Resistance measuring inputs for NTC temperature probe	-	2	2	-	
Voltage inputs 0-10 V	-	-	-	2	
Outputs					
Relay outputs, 5 A (250 VAC and 30 VDC)	-	5	-	-	
Transistor outputs 24 VDC/100 mA	-	-	4	4	
Voltage outputs 0-10 V, 10 mA max	-	-	2	2	
Additional Specifications					
Operating temperature	0.. +55 °C				
Storage temperature	-30.. +80 °C				
Operating humidity	Max 95% r.H., no condensation				
Protection degree	IP 20				
Mounting	Wall mounting, for indoor use only				
Dimensions	Built-in: 72x53x35 mm, Front panel: 130x102x12 mm				
Weight	200 g				

* Device under development

- 2.44" QVGA color display
- 10 capacitive keys with bicolor backlight
- Embedded temperature probe
- High level of flexibility thanks to a wide range of IO resources
- Configuration, programming and debugging is done using PC based tool through USB port

- Resource sharing between controllers through BACnet network. Data sharing is performed without intervention of the supervisory system
- Jumper selectable standard polarization and termination resistors on RS485 terminal
- Wireless version is suitable for retrofitting



RG.KPx.yz - Front view

Devices description

RG.KPx.yz product family is a group of programmable keypad units for hotel rooms or family homes. It can be used as user interface in various automation systems. Devices feature 9 capacitive keys with two color dimmable backlight. The **RG.KPA.yz** devices communicate with the rest of the system using RS485 port while **RG.KPW.yz*** uses Wi-Fi network.

TECHNICAL DATA		RG.KPx.01
Electrical Specifications		
Power supply		Nominal: 24 VDC, 1 W Voltage range: 12 ... 30 VDC
Communication Channel		
RG.KPA.yz	RS 485	BACnet MS/TP or Modbus Slave RTU/ASCII. Programmable baud rate (9600, 19200, 38400, 76800, 115200), Jumper selectable use of termination and polarization resistors
RG.KPW.yz*	Wireless	Wi-Fi IEEE 802.11 b/g/n: UDP, TCP, MQTT - under development
	USB	USB device, mini USB connector, service port
User Interface		
Capacitive keys		9
Additional Specifications		
Operating temperature		0.. +55 °C
Storage temperature		-30.. +80 °C
Operating humidity		Max 95% r.H., no condensation
Protection degree		IP 20
Mounting		Wall mounting, for indoor use only
Dimensions		Built-in: 72x53x35 mm Front panel: 130x102x12 mm
Weight		200 g

* Device under development



RG.KPx.yz - Front view



RG.KPx.yz - Back and side view

- 9 capacitive keys with bicolor backlight
 - Resource sharing between controllers through BACnet network. Data sharing is performed without intervention of the supervisory system
- Configuration, programming and debugging is done using PC based tool through USB port
 - Jumper selectable standard polarization and termination resistors on RS485 terminal



RG.KTx.yz - Front view

Devices description

RG.KTx.yz product family is a group of programmable keypad units for hotel rooms or family homes. It can be used as user interface in various automation systems.

Devices feature 12 capacitive keys with two color dimmable backlight.

The **RG.KTA.yz** devices communicate with the rest of the system using RS485 port while **RG.KTW.yz*** uses Wi-Fi network.

TECHNICAL DATA		RG.KTx.01
Electrical Specifications		
Power supply		Nominal: 24 VDC, 1 W Voltage range: 12 ... 30 VDC
Communication Channel		
RG.KPA.yz	RS 485	BACnet MS/TP or Modbus Slave RTU/ASCII. Programmable baud rate (9600, 19200, 38400, 76800, 115200), Jumper selectable use of termination and polarization resistors
RG.KPW.yz*	Wireless	Wi-Fi IEEE 802.11 b/g/n: UDP, TCP, MQTT - under development
	USB	USB device, mini USB connector, service port
User Interface		
Capacitive keys		12
Additional Specifications		
Operating temperature		0.. +55 °C
Storage temperature		-30.. +80 °C
Operating humidity		Max 95% r.H., no condensation
Protection degree		IP 20
Mounting		Wall mounting, for indoor use only
Dimensions		Built-in: 72x53x35 mm Front panel: 130x102x12 mm
Weight		200 g

* Device under development



RG.KTx.yz - Front view

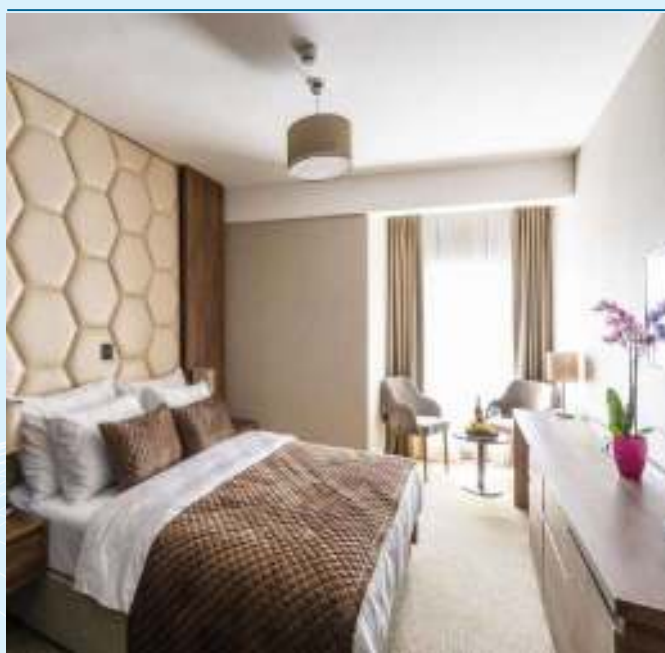


RG.KTx.yz - Back and side view

- 12 capacitive keys with bicolor backlight
- Resource sharing between controllers through BACnet network. Data sharing is performed without intervention of the supervisory system

- Configuration, programming and debugging is done using PC based tool through USB port
- Jumper selectable standard polarization and termination resistors on RS485 terminal

Hotel Amsterdam – Belgrade, Serbia



Date: 2018.

Stars: ★★★★★

Info: Guest room management system

Rooms: 42

Karisma – Ulcinj, Montenegro



Date: 2018.

Stars: ★★★★★

Info: SOS system

Beds: 702

Sierra Blanca Hotel – Marbella, Spain



Date: 2018.

Stars: ★★★★★

Info: Guest room management system, BMS

Rooms: 21

Sunrise Jade - Protaras, Cyprus



Date: 2018.

Stars: ★★★★★

Info: Guest room management system

Rooms: 158

Grand Hotel – Brno, Czech Republic



Date: 2018.

Stars: ★★★★★

Info: Guest room management system

Rooms: 97

Porto Platanias Beach Resort – Crete, Greece



Date: 2019.

Stars: ★★★★★

Info: Guest room management system

Rooms: 100

Epos Hotel – Crete, Greece



Date: 2019.

Stars: ★★★★★

Info: Guest room management system

Rooms: 50

Mare Monte Beach Hotel – Crete, Greece



Date: 2019.

Stars: ★★★★★

Info: Guest room management system

Rooms: 200

Central Point Hotel – Belgrade, Serbia



Date: 2020.

Stars: ★★★★★

Info: Guest room management system

Rooms: 58

Hotel President – Prague, Czech Republic



Date: 2020.

Stars: ★★★★★

Info: Guest room management system

Apartments : 5

Lazar Lux – Belgrade, Serbia



Date: 2021.

Stars: ★★★★★

Info: Guest room management system

Rooms: 23

Lazar Lux – Crete, Greece



Date: 2021.

Stars: ★★★★★

Info: Guest room management system

Rooms: 27