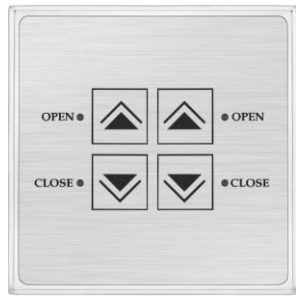**MDH**
INNOVATION

❖ Complex solution for

- ✓ MDU - Multi-Dwelling Units
- ✓ Hotels
- ✓ Apartments
- ✓ Residences
- ✓ Villas
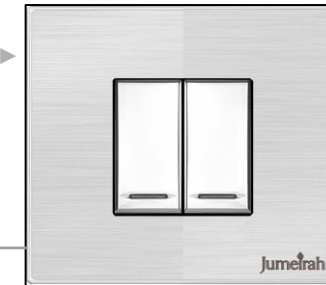
HOW TO LOWER COST
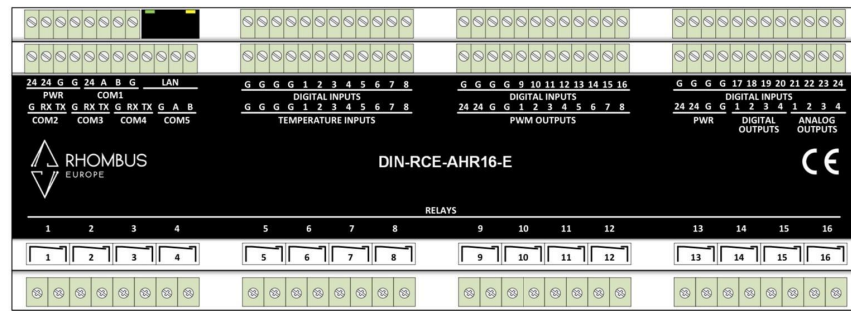
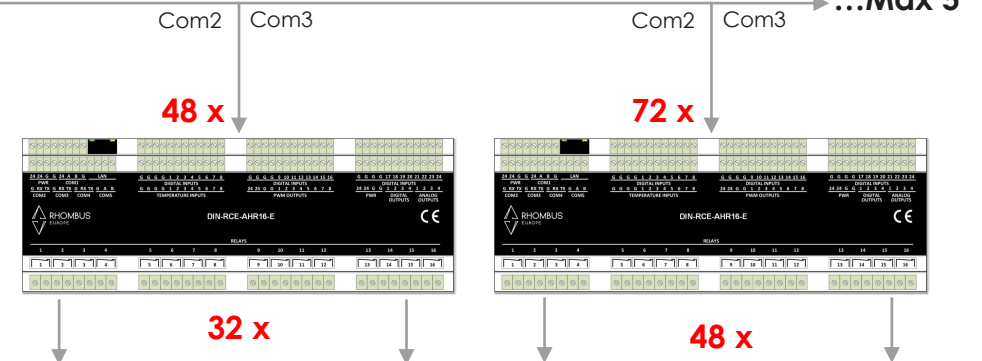Smart keypad

AHR- **24 x** Digital Inputs

- **Basic toggle keypad**
- **Dry contact keypad**

RHOMBUS EUROPE — DIN-RCE-AHR16-E

16 x

LIGHTS, SHADES, SECURITY, HVAC, BMS,

Daisy Chain (via RS2323) to expand system

Com2 Com3 ... Com2 Com3 ...**Max 5**

48 x **72 x**

32 x **48 x**

MDH INNOVATION

Works with the
CRESTRON HOME®
OS

ALL IN ONE MODULE FOR HOTEL ROOM OR APARTMENT

DIN-MDH8-E

1 x Ethernet 10/100
8 x Relay – max. 230V/10A
3 x RS232
2 x RS485
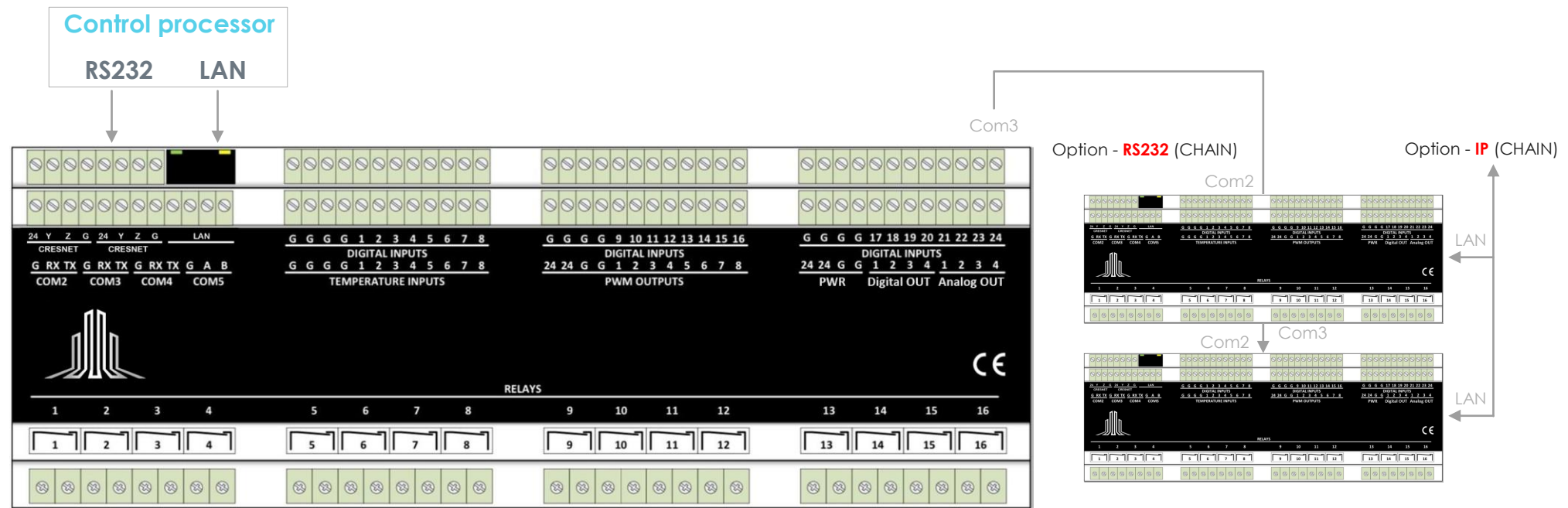8 x digital input
8 x 1wire temp sensor input

DIN-MDH16-E

1 x Ethernet 10/100
16 x Relay – max. 230V/10A
3 x RS232
2 x RS485
24 x digital input
4 x digital output
8 x 1wire temp sensor input
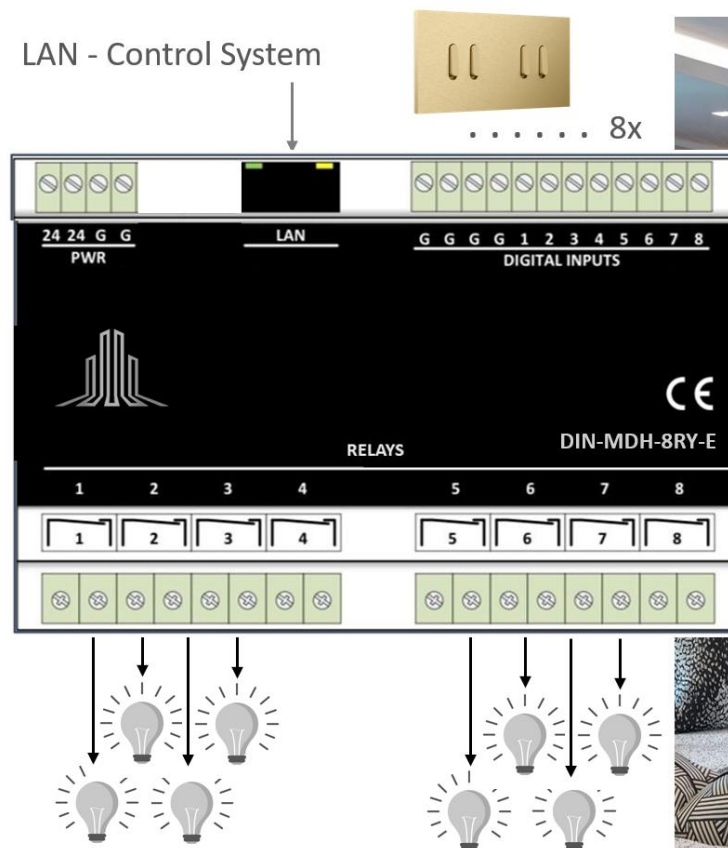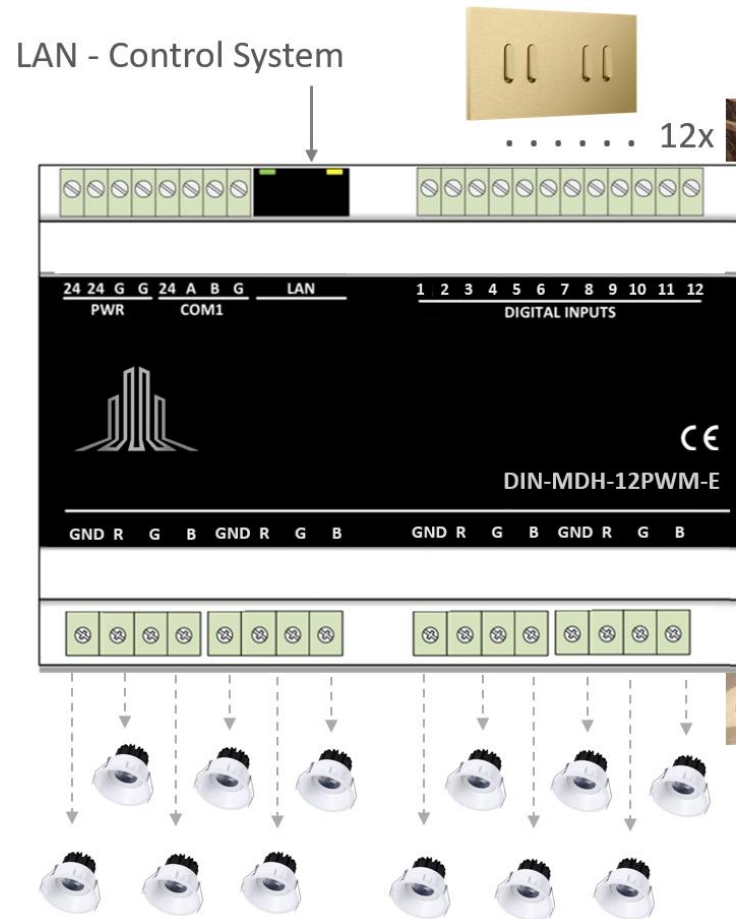4 x Analog output (0-10V)
8 x PWM output
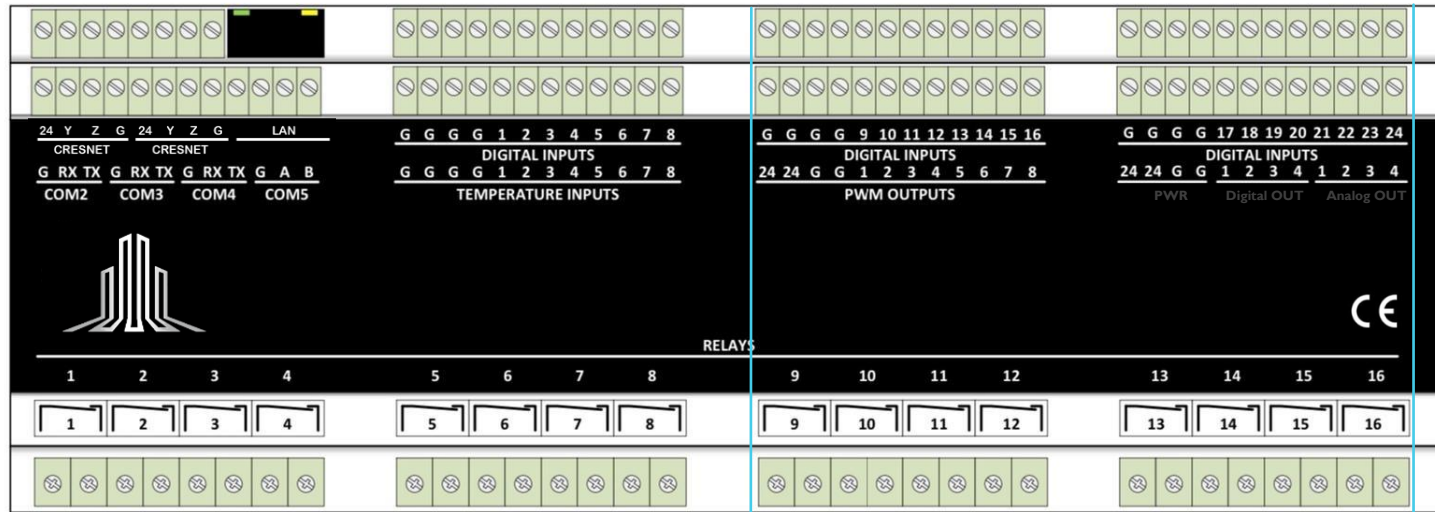
DIN-MDH8-UNI-E

DIN-MDH16-UNI-E

MDH INNOVATION

Works with the
CRESTRON HOME OS

SYSTEM CONNECTION

DIN - 8 LIGHTS / SHADES CONTROLLER

DIN – 12 LED PWM CONTROLLER

LAN - Control System

12x

24 24 G G 24 A B G   LAN   1 2 3 4 5 6 7 8 9 10 11 12
PWR   COM1   DIGITAL INPUTS

DIN-MDH-12PWM-E

GND R G B GND R G B   GND R G B GND R G B

Works with the
CRESTRON **HOME**
OS

MDH
INNOVATION

DIN - 4 MOTORS CONTROLLER
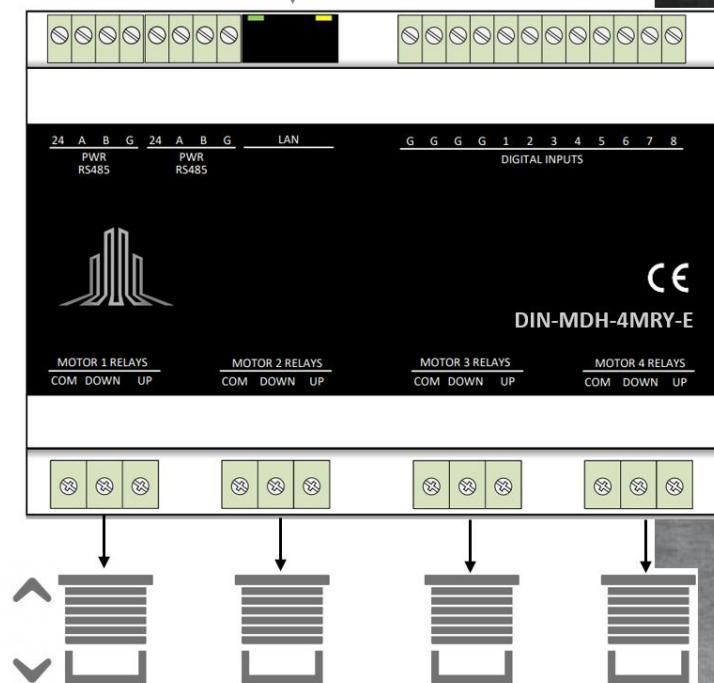
DIN – 8 ZONE HEATING / COOLING CONTROLLER
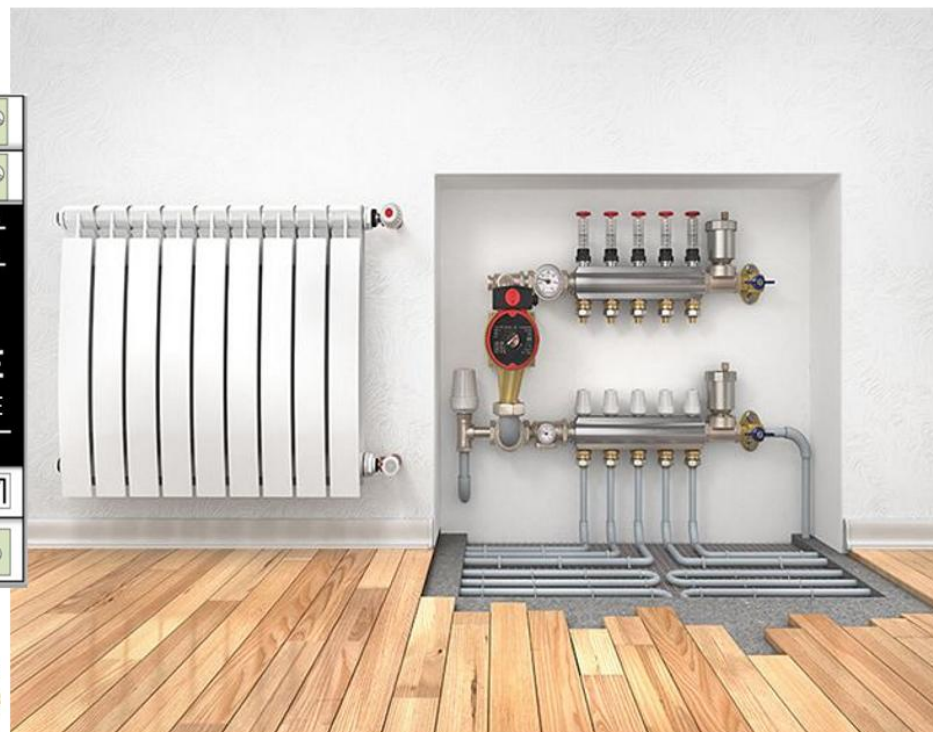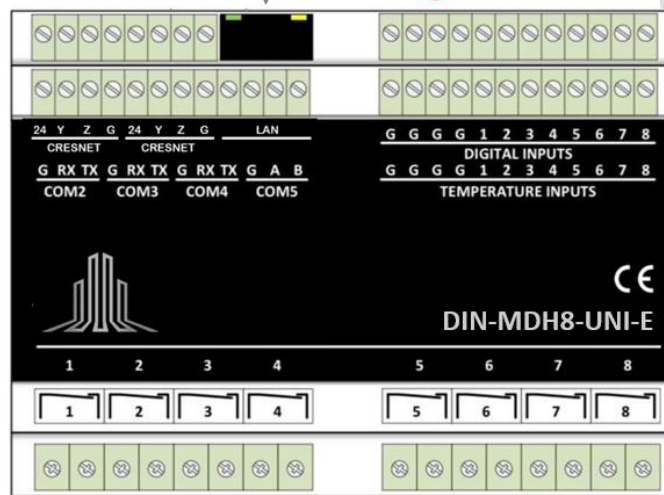
Multi-Dwelling Units / Hotel GRMS

STANDARD ROOM

RECEPTION DESK

Central Management System (PMS)

Main Processor

Network

Apartments - 1,2,3, …XYZ

USER ITERFACES

- **Touch Panels**
- **iPads**
- **Laptops**
- **Mobile APPs**

Network

Apartment or Hotel room

TV

Smart Switches, Sockets

DND, MuR, BELL

Sensors

Lights / Shades

2x RGBW LED Color LED Stripes
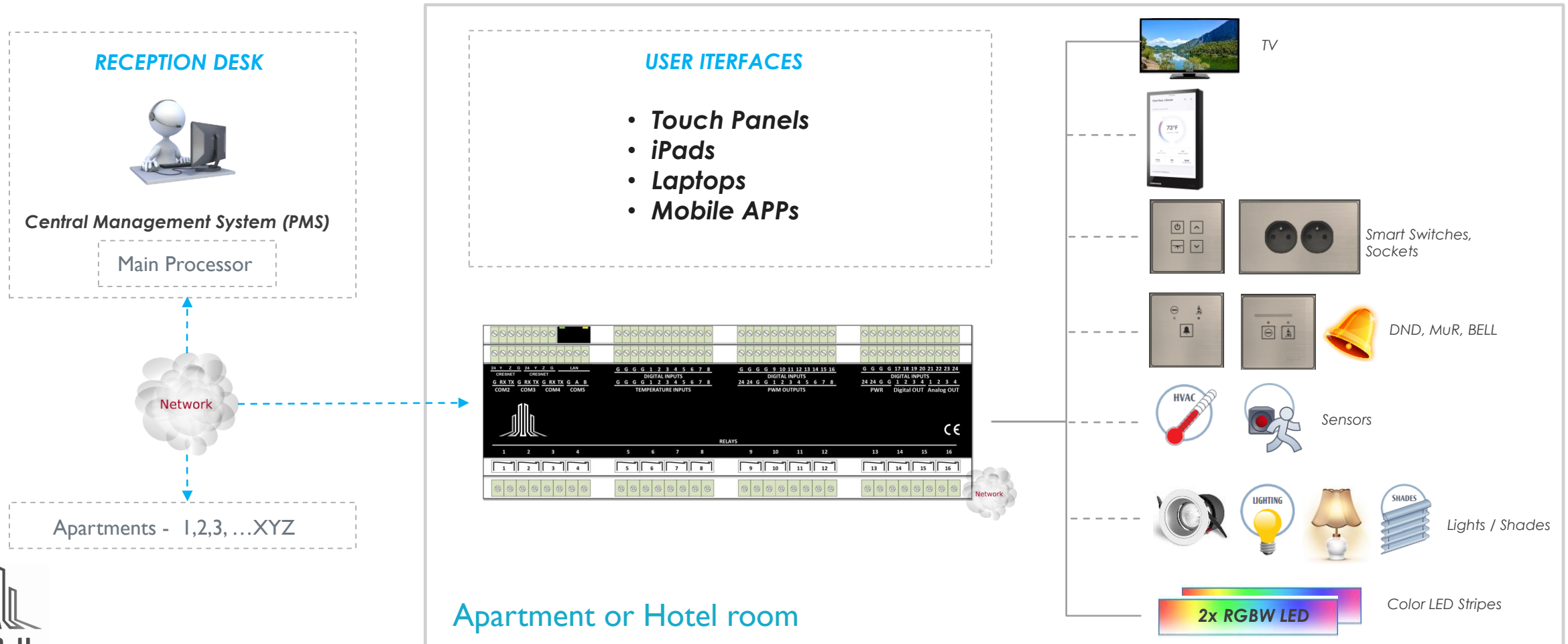
MDU – HOTEL ROOMS SYSTEM IMPLEMENTATION
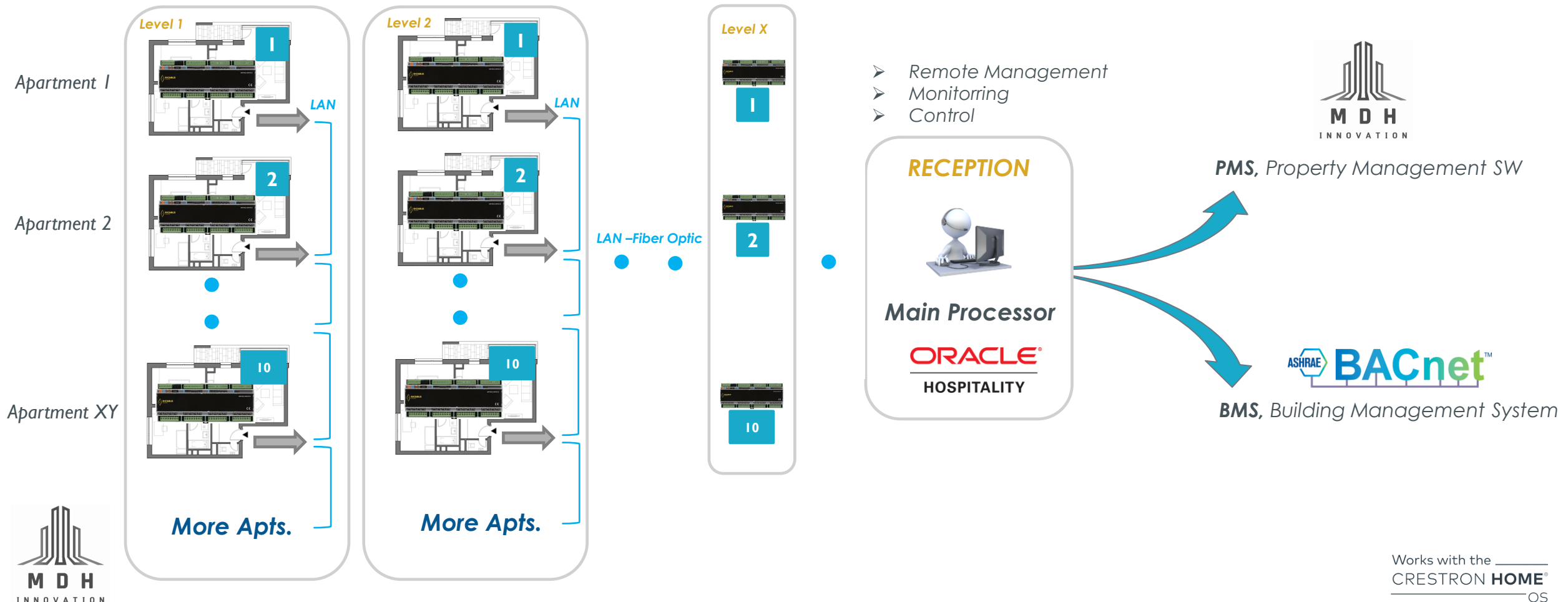
MDU – RECEPTION, LOBBY AND OTHER ROOMS

Restaurant/Bar

Lobby/Conf. Rooms

Lights, Shades, Control

Lights, Shades, Control

> Remote Management
> Monitorring
> Control

RECEPTION

Main Processor

PMS, *Property Management SW*

BMS, *Building Management System*

SPA, GYM, Conference & Ball Rooms

Works with the
CRESTRON **HOME**®
OS
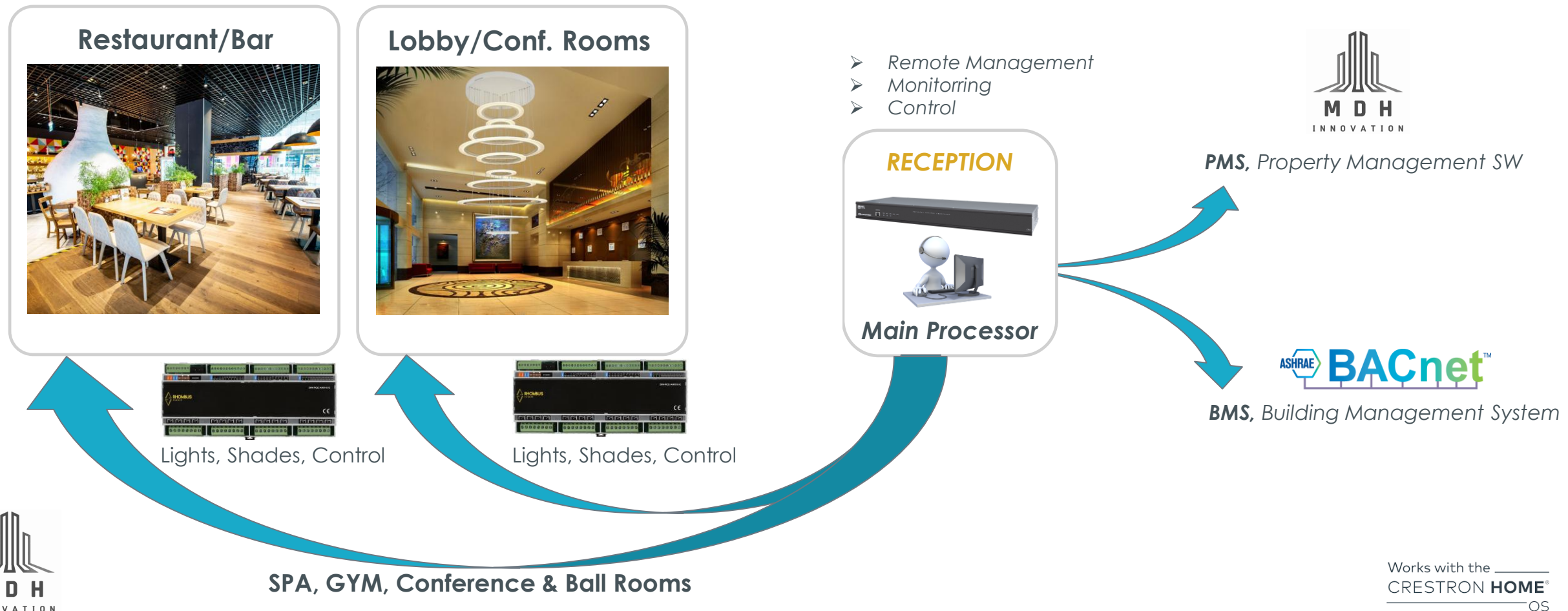
Central Management System

PROPERTY MANAGEMENT SYSTEM – IN ROOM

- *Asset management, monitoring and room control*
- *Various room service possibilities*
- *Special requests (Custom for each Hotel)*
- *Fast presets for emergency situations*
- *Automated room services or Reception desk tasks*
- *Client friendly User Interface, for fast navigation*
- *Extra data per room, and APP customization*

PROPERTY MANAGEMENT SYSTEM – FRONT DESK

- *Reception desk connection for any ROOM requests*
- *Connection with Security and Fire Alarm Systems*
- *Centralized Power management system*
- ***Easy to make custom solution** per Property*
- ***No Servers needed***

THANK YOU FOR YOUR ATTENTION

We live for your future…