



2012 SMART HOTEL RAY

YOUR IDEA

Smarthome for everyone





Letter from the CEO

Once again we have done it.

We always appreciate your Contributions of Ideas to Smart-Industry which has been the source of our Product Innovations. Smart-BUS G4 is based on your personal experiences, lifestyle needs and the dynamic technological new necessities.

“At Smart-Group we are driven by achievement using both: Speed and Accuracy as our Engine” The New (G4) Generation-4 Smart Automation Solution is Made to reach everyone's hand: “providing Luxury system with cutting edge technology at affordable prices”

We Promise you to our Maximum Capacity:

- A) To Innovate New Product Ideas
- B) To Simplify the Usage to everyone
- C) To make Prices More affordable
- D) To Support your needs

The Growing International Network of Dedicated Distributors and Professional Dealers has made us more Keen to exert more force on Quality and Speed of Delivery enable to serve Millions of customers worldwide. For this reason, Smart-Industry has Invested Millions of Dollars to Create High End SMT/SMD Mounting and Automated Assembly Lines to cater to the growing overwhelming demand on G4 Automation Technology.

We thank you for your support always, together we shall live in style.
Thank you,


F. Mazloun

Mr. Firas Mazloun
President & CEO, SMARTGROUP



Distribution Network



Smart Group embraces Pyramidal Network Build up Structure. Accordingly we have divided the World into 14 Major Territories based on Language, Cultures and Geography as following:

- 1-USA & Canada Territory (NAM) 
- 2-Latin America Territory (Latina) 
- 3-Scandinavian Territory (Nordics) 
- 4-Central and southern European Territory (Europe) 
- 5-Russian and Eastern Block Territory (East Russia) 
- 6-Middle East and North African Territory (MENA) 
- 7-African Central, western, Eastern, and southern Territory (Africa) 
- 8-Turkey, Greece, Iran, Cyprus (Empires) 
- 9-Indian Continent Territory (Indian Sub) 
- 10-Great China Territory (China) 
- 11-Central Asia Territory (CASIA) 
- 12-South East and far East Asia Territory (Asia) 
- 13-Australia and New Zealand Territory (AUZN) 
- 14-The Islands world-wide Territory (Islands) 

Based on the Demand for Availing Swift Local Service and Support, Each of these Regions has been divided per country as a separate distribution entity. Some Big Countries like India, Saudi Arabia, USA, Russia and similar has been Assigned with Master Distributor that assign Distributors under his support and supervision, whom in turn are in charge of Developing their Sectors by assigning sub-distribution per area coverage of 2Hours or less. The sub-distributor is in charge of Constructing his own area Network of Dealers, installers and System Integrators accordingly.

We Welcome Solid Partners to Join our Smart-Team Network

Company Honor

Smart-BUS Technology has Enabled Many of our Partners and Enabled our Company to receive several World Honors and Awards Some of these Awards are:



USA

Golden Award and Mark Of Excellence By CEA – USA (Best Audio Product)



Ukraine

Ukraine Smart Building Org. – (Best Smart Product In Ukraine Award)



Middle East

PALME INSTALL., UAE – (Best Home Automation and Best Lighting System)



Australia

Clipsal Australia – (Outstanding Performance Smart Solutions UAE)



Germany

Techno Lifestyle GmbH Germany



UAE

CityScape Intelligent Building Committee (UAE)

In Addition to Other Honors, Achievement certification, and Gratitude from Several entities in different Countries like:

- Russia
- Vietnam
- UAE
- South Africa
- Saudi Arabia
- Iran
- Pakistan
- Germany
- Canada
- Denmark
- Australia

Patents Marks & ISO

Patented IPO's

Smart Group Owns Seberal Patents related to Smart-G4 Products Especially:

201110123081.0 for Smart-BUS Protocol

201120231156.2 for Smart-BUS Zone-Audio

201120213397.4 for Dynamic Function Panel Smart-DDP

201120213375.8 for Multi Functional Sensors (5in1, 6in1, 9in1..etc)

201120452441.7 for Smart-BUS Train Connection Topology S-Connect

More Patents are Under registration Now as well.

Testing Certification and Quality Control

The Smart-BUS G4 Automation and control Products go through extensive Tests to Guarantee safety and Quality operation under Harsh conditions and even certain level Protective wrong Installation safety. Accordingly 11 Levels of IQC/PQC/FQC/and QA are daily applied during Manufacturing Stages. And To Ensure Conformity to International Standards Several Labs measure, test and certify the products produced by Smart-Industry for Electromagnetic interference, Low current, and Low voltage safety needs. Most of The Products Sold and produced By Smart-Group Hold Many of these Marks: Some of which are: CE , Russian, ETS, while some other Conformities are still being Processed and Tested at different Countries Entities.

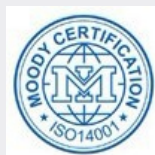


ISO

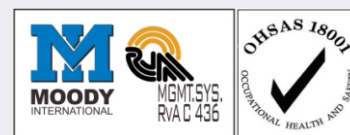
Smart-Group has Acquired 3 ISO Standards to help Utter Quality of Manufacturing and Its Production facility:



We are ISO 9001-2008 Quality Management Certified.



We are ISO 14001-2004 Environmental management (Green) Certified



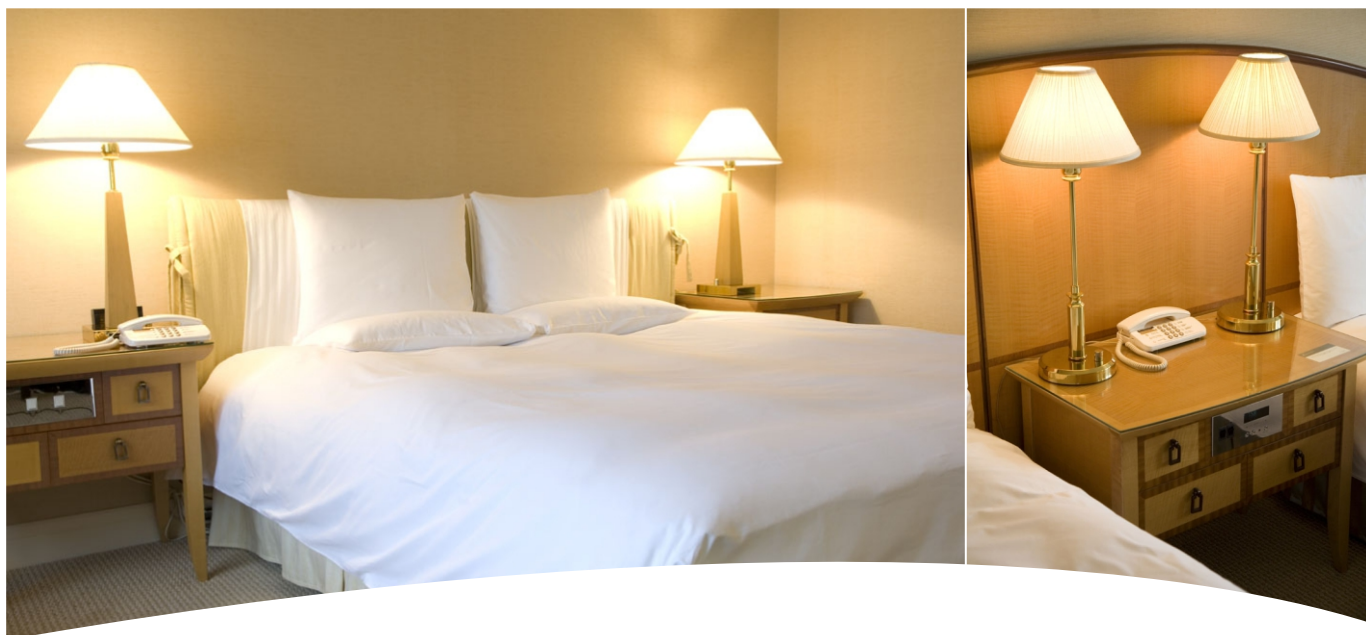
We are OHSAS 18001-2007 Occupational Health and Safety Zone Certified

Memberships:

Smart-Group is Now Member in Different World Biggest Organizations and Development Interties some of which are:






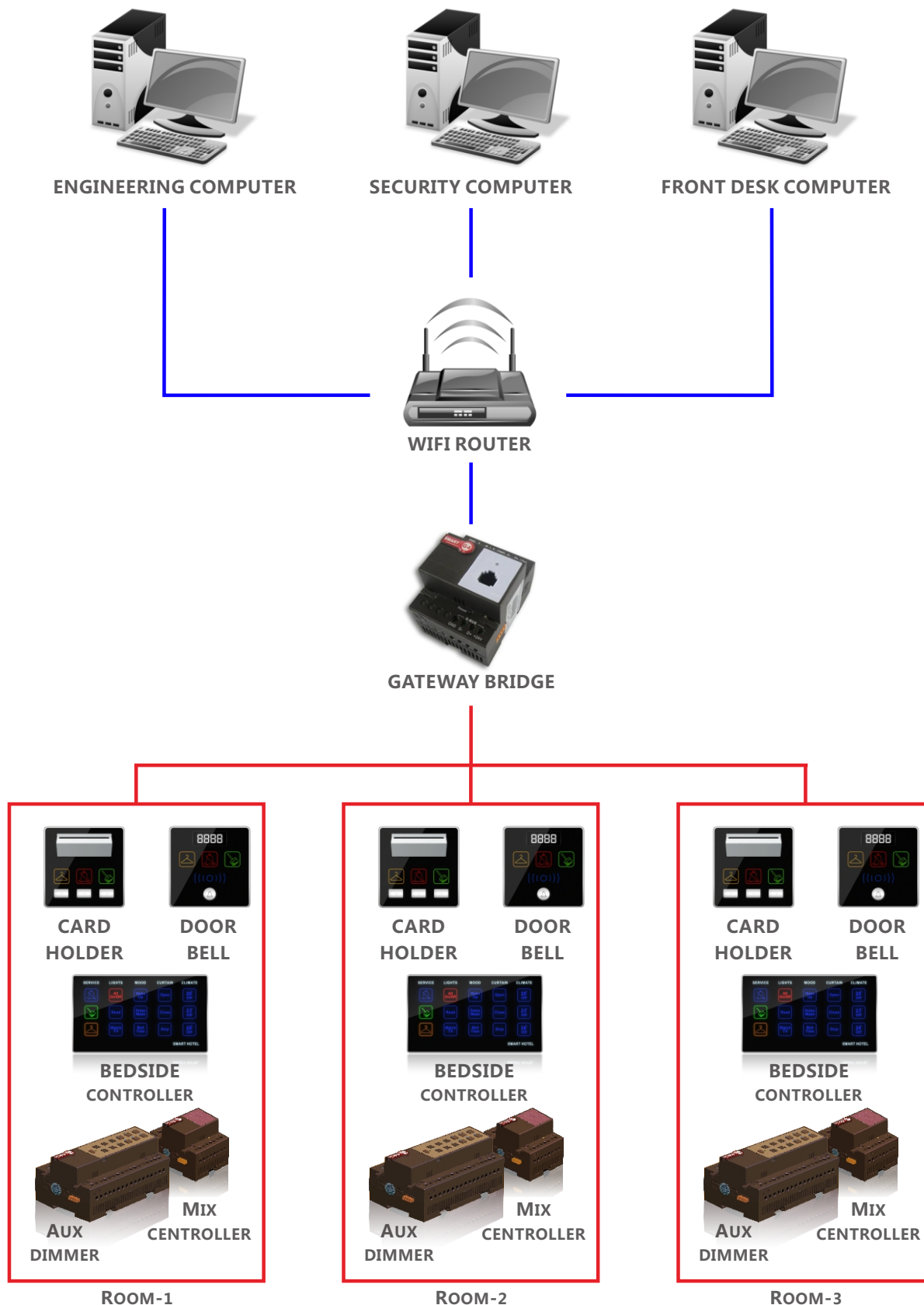
Hotel GRMS Capacity



System	Specs
RFID Standard	Mifare
Data Storage Per card compatibility	Model S50=1KB / Model S70=4KB
One Guest Card Can Handle	1-50 / 1-100 Maximum Rooms
Master card System Can Handle	6000 Rooms Maximum Per Hotel
Operating Voltage	24VDC
Voltage Tolerance	12-36VDC
System Consumption Average in Total	250 ma Per Guest Room
Card Access Functionality	Online / Off Line
GRMS Service Status Update	Direct Online
Report Room Ready By House Keeping	Online Possible
Request Engineering maintenance and Support	Online Possible
Modules Levels Available	Front Desk, Security, Engineering, House Keeping, Admin
3rd Party Integratibilkity	RS232, RS-485, TCP/IP
Ready Connectivity	Micros Fidelio (Opera)
Class of Service	254 Levels
Offline Memory Log Allocated	54000 Records (with Auto Over write older ones)
Online Log Sync Download and Release	Automatic to SQL Server
Door forgotten Open Alert (Guest Only)	Default = 12 Seconds (Enable/Disable Possible)
Energy Card Delay Time	Default= 10 Seconds (Adjustable by Software 0-250 Sec)
Blacklist Limit	100 Cards Per Room
Bedside Controller Lights Sleep Operation	Panel Lights Off after 30 Sec, Menu Lights Dim in 1 minute
Card Holder Moods	10 moods Max, SW selectable By Front Desk
Maximum Building Numbers	255 Identifiers

Hotel Diagram




CABLES	
	LAN
	S-BUS
	A/V

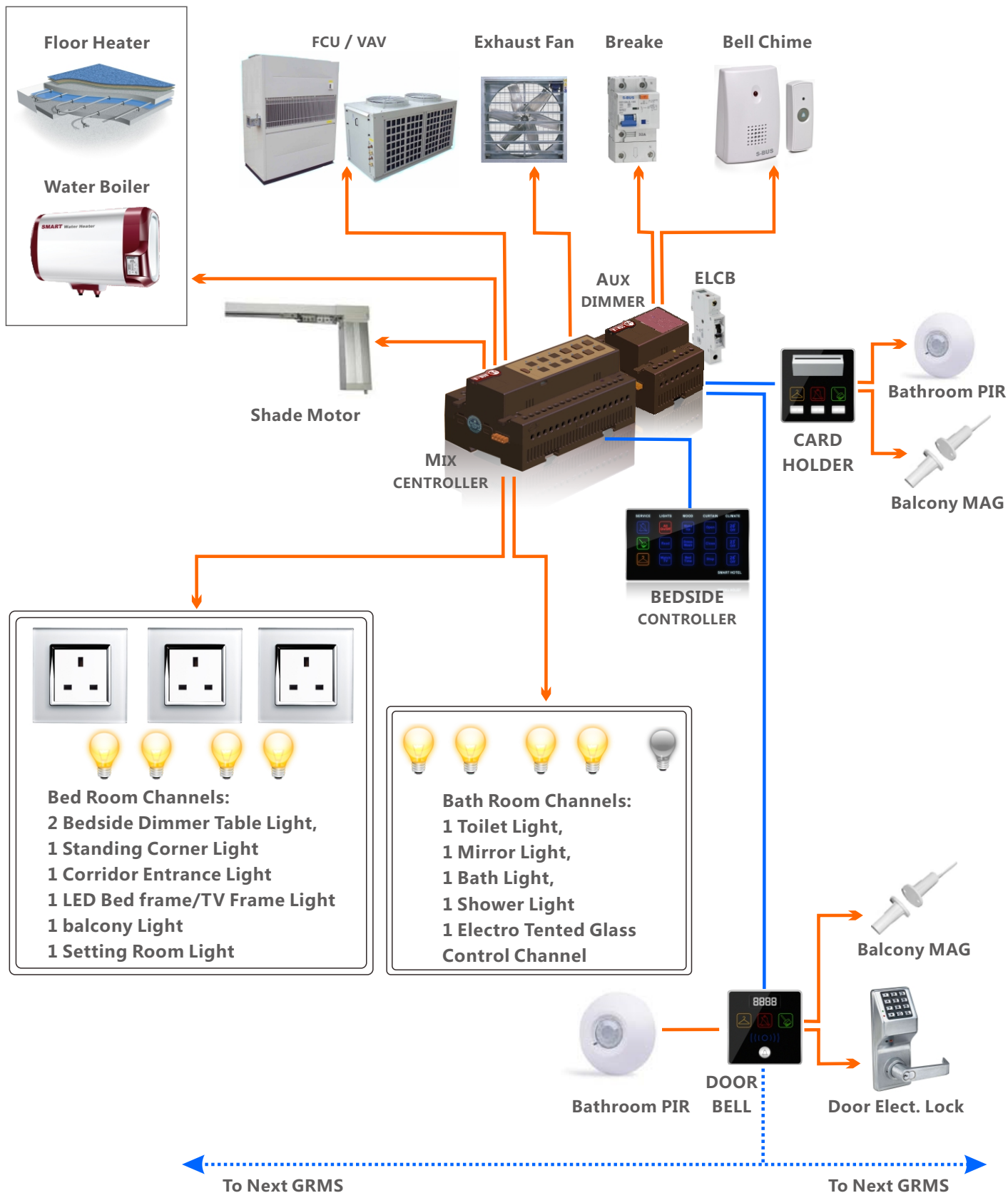


Hotel GRMS Ideas and Diagrams

Typical GRMS Coonection

CABLES




	LAN
	S-BUS
	A/V



Hotel GRMS Ideas and Diagrams

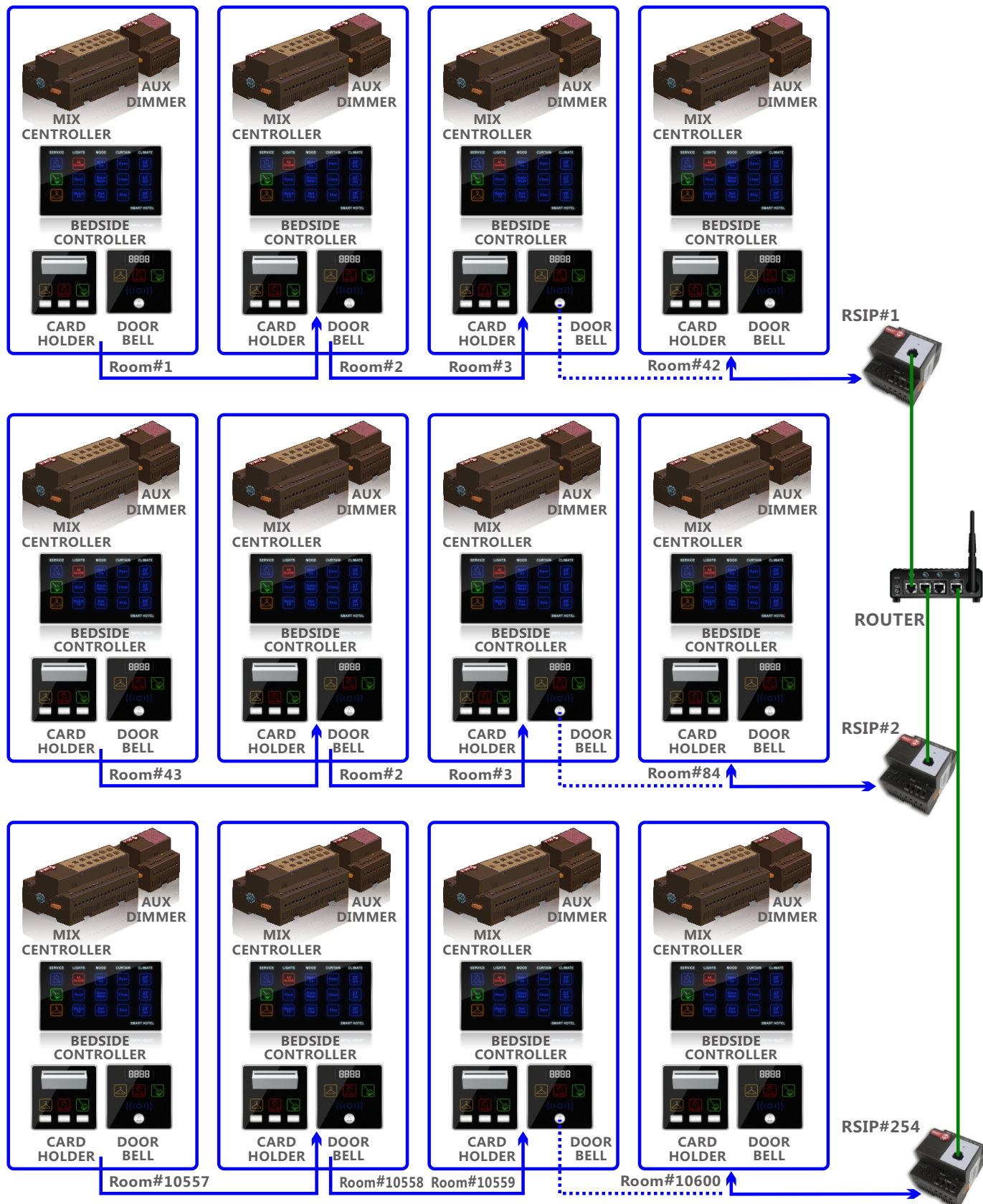
Mult-Room Networking

CABLES

	LAN
	S-BUS
	A/V

Example 1

Assuming That Each Room Has Typical 6 Devices: as below and Adding 1 DDP or 4 Button switch. This Means in a single Subnet we can have up to 42 Rooms without any need for Adding

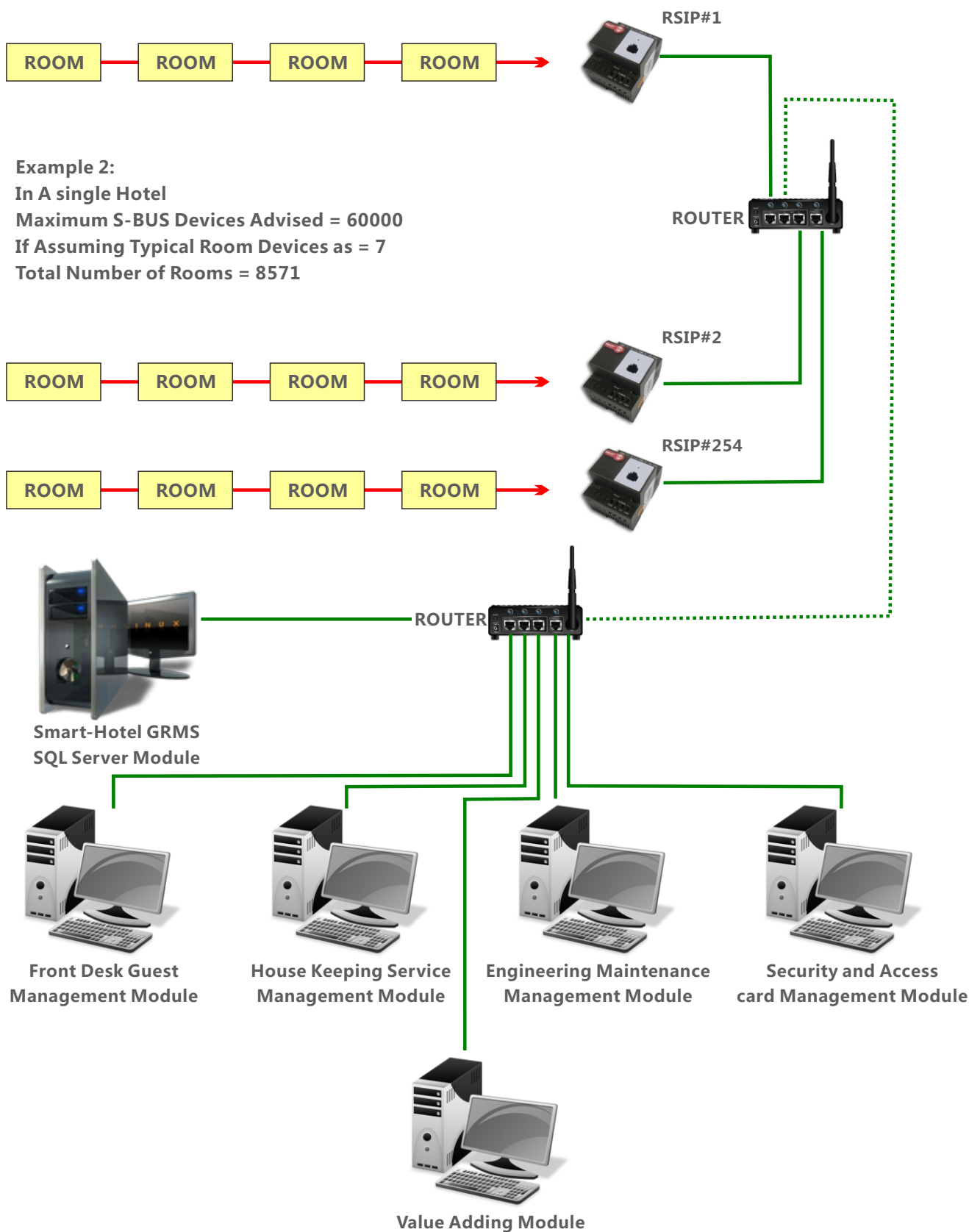


Hotel GRMS Ideas and Diagrams

Mult-Room Networking

CABLES

	LAN
	S-BUS
	A/V



Luxury Hotel GRMS System



HVAC



AUX



ZoneBeast



Bell Chime



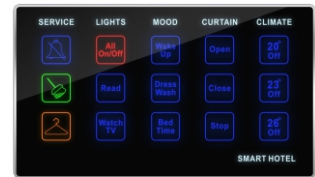
Balcony MAG

Universal
SocketDOOR
BELLCARD
HOLDER

3 Buttons



DDP/FDP

BEDSIDE
CONTROLLER

Sample Hotel Analysis	Room Type						
Equipment Selected to Match Requirements							
Hotel AUX	1	1	1	1	1	1	1
Zone Beast 3 Dimmer, 18 Relay	1	1	1	1	1	1	1
Magnetic Contact	1	1	1	1	1	1	1
HVAC Module	1	1	1	2	2	3	3
Dimmer 6ch	0	0	0	1	0	1	1
Relay 6 Channel	0	0	0	0	0	0	1
DDP LCD Display Panel	1	1	1	2	2	3	3
Bedside Table Top Controller	1	1	1	1	1	1	2
FDP Panel	1	1	1	1	1	1	3
3Buttons Switch	2	2	2	2	3	3	5
Door Bell	1	1	1	1	1	1	1
Card Holder With Service	1	1	1	1	1	1	1

Standard Design Icons for Hotel Automation System

KEY	KEY DESCRIPTION
	Dimmer Channel
	ON/OFF Channel
	Dynamic Display Panel (DDP)
	6 Gang Wall Panel Switch
	4 Gang Wall Panel Switch
	3 Gang Wall Panel Switch
	Mix Controller
	FDP
	Hotel door bell panel with service
	Hotel door access bell panel with service
	Hotel card holder with service
	Hotel bedside or table side simplified panel
	Magnetic Contact Door/Window
	PIR
	5 in 1 sensor

KEY	KEY DESCRIPTION
	6 in 1 sensor
	9 in 1 sensor
	Siren Flasher
	Projector Lift
	Touch Screen
	Water Leak Sensor/Drip tray
	Motorized Curtain /Drape Control Point
	Projector Screen
	Plasma lift
	Plasma lift (rotator)
	Indoor CCTV Camera
	Outdoor CCTV Camera
	Television
	Mirror TV
	Bath TV

KEY	KEY DESCRIPTION
	Mirror Defogger
	Data Point
	DB
	Door Lock
	Telephone Point
	Floor Heating
	HVAC
	Electro Tented Glass
	Local Source Input
	Zone Audio
	Wall Art Speaker
	Ceiling Speaker with Zone Number
	Wall Speaker with Zone Number
	Garden Speaker with Zone Number
	Access reader/Keyless Entry

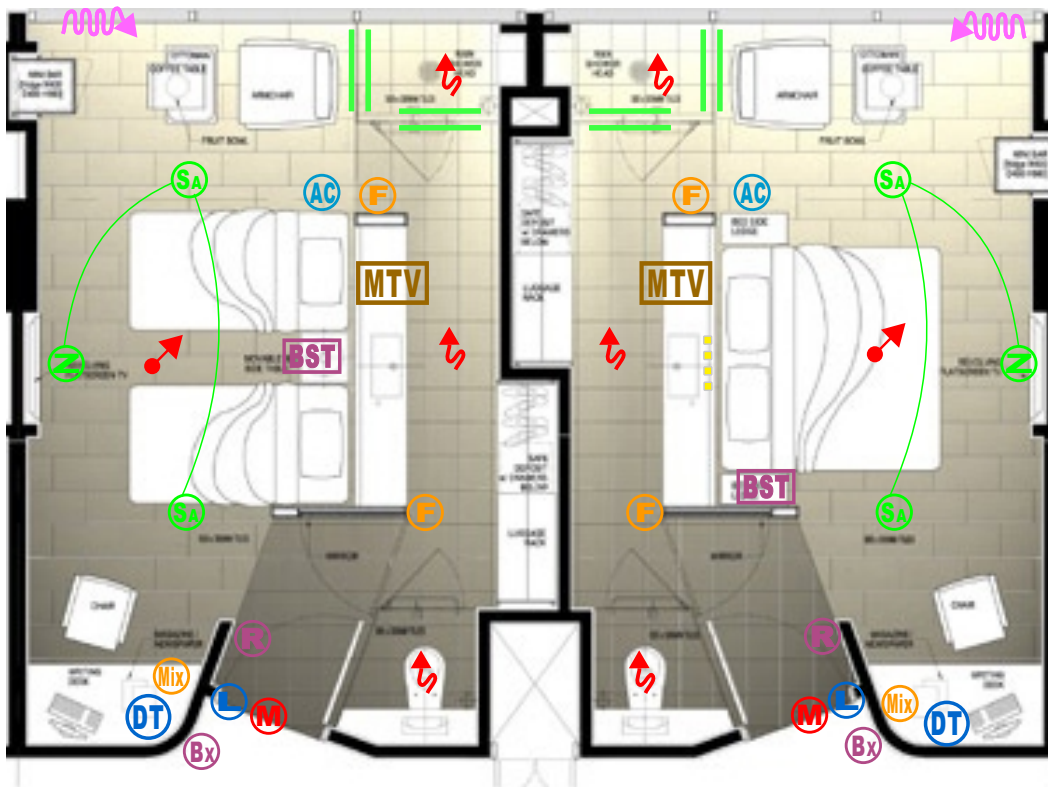


Design Example

Hotel Room



In this example the Designer has implemented Lighting and Dimming (mood Lighting and scenes), Security Alert, Door Access and Entry system, Occupancy and Energy Saving, Multimedia Control (TV, DVD), Climate control, Music audio, Motorized Shades, Electro tented Glass, Service request, bedside controllers, and all needed wall panels and switches



Product	Qty
Bx	1
L	1
F	2
BST	1
R	1
S	1
Z	2
M	1
Mix	1
DT	1
MTV	1
...	1
Mix	1
Total Estimated Cost USD 2,000	



International Management Systems Certified:
ISO 9001:2008, ISO 14001:2004 and
OHSAS 18001:2007





SMART HOME' s family of Omni controllers are available in multiple languages for our international customers.



Smart-Bus Dynamic Display Panel DDP EU with LCD - SB-DDP-EU

GTIN (UPC-EAN): 0610696254030



is a wall switch Panel with LCD and Multi functions, Built in IR Receiver Plug in Port, Thermal Sensor Couple for Temperature, With Easy Graphical and Multi Lingual configuration ability, Multi Functional Pages:Lighting, Moods, HVAC, Music, Fan Speeds, Motorized Shades,Security. With 2-way status update. (Each Button has right and left different function, Back let LED, LCD Brightness control), AC Page Lock Function, Double click Macro Function, Mannual Programming Enabled.



0 610696 254030

Bedside Smart Hotel DDP Wall Switch

Smart-Hotel DDP Switch Panel (Chameleon)

An Extremely Easy to use full life-style elegant combined panel that solve the problem of cluttering and wall agony, the problem of knowing buttons functionality, and the problem of matching the decoration finishes and materials. It is an Award Winner.

Comes with Built-in Temperature Sensor, HVAC Control, Music, TV/DVD, Lighting, Shades, and Services

Changeable Screen Functions

Changeable Language from Hotel Management software for all clients nationality

Changeable Buttons Colors

Changeable Face Cover Plate

Screw less Mechanism Mounting

Infra Red Remote Controlled Panel with LED and LCD Back Lighting

CEA—Best Energy Saving Product Category

Available Accessories

GI Back Box: 3"X3"X 1.5"-2"

· Black Glass Cover Plate

· White Glass Cover Plate

· Silver Aluminum Cover Plate

· Yellow or Red Golden Cover Page

· Wood / Marble / Special Coffee Cover Plate

· US Standard Cover Plate

Applications:

- Hotel Guest Room

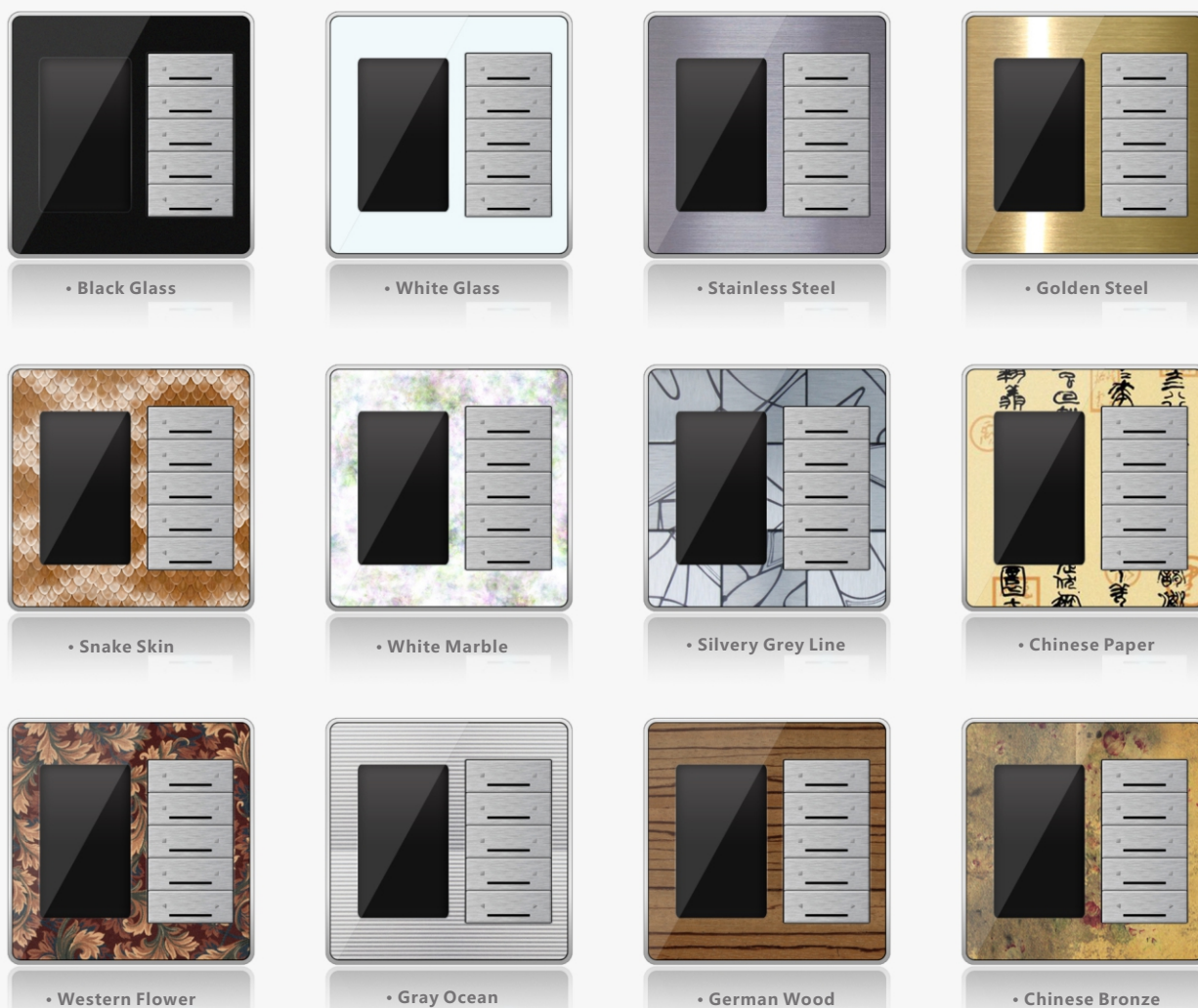
- Ball and Meeting Room

- Hotel Restaurants



SMART HOME
GROUP

Fruitbasket



More Colors...

Smart-Bus Hotel Bell with Access Control (G4) - SB-3SBXS-WL

GTIN (UPC-EAN): 0610696254337



Proximity Card Reader, Flash Memory Download by USB to Secure software, Door Relay for Lock Control, Built in Logic Control Module (Host), Back Lit, Bell Push, Functions: (DND, Clean Room, and Pick Laundry indicators), Online update to house keeping, and Front office.



Smart-Bus Hotel Card Holder (G4) - SB-3SCARD-WL

GTIN(UPC-EAN): 0610696254351

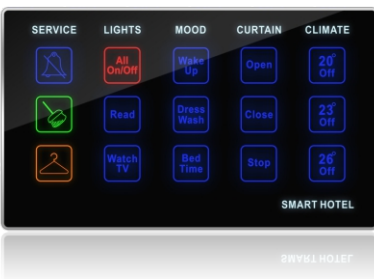


Read Special Card Design
Built-in service request buttons
USB Upgrade and Download log
Easy connector enabled
Hotel logic watchdog (Power Infant)

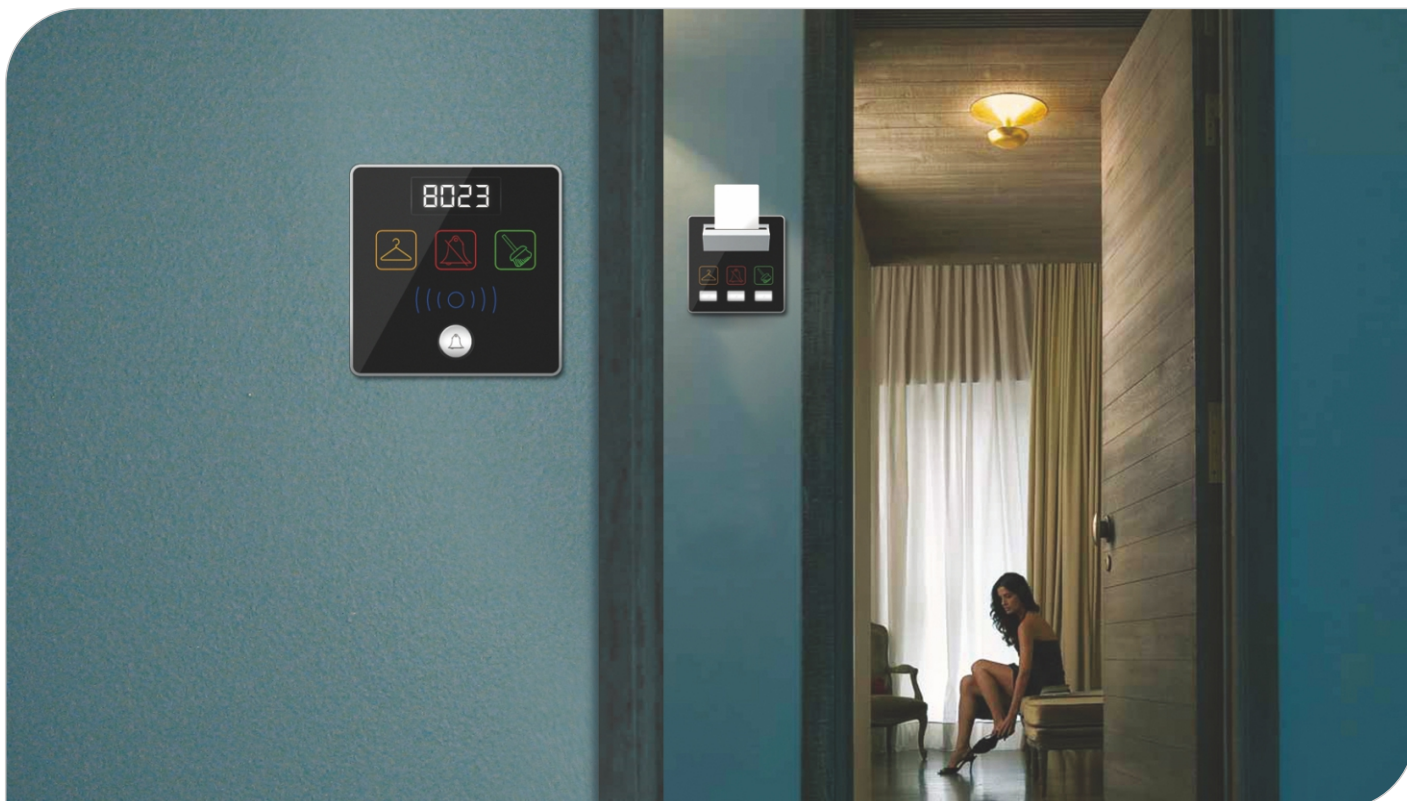


Smart-Bus Hotel Bedside Controller - SB-BEDSD-UN

GTIN (UPC-EAN): 0610696254344



Built-in service request buttons
USB Upgrade and Download log
Easy connector enabled
Hotel logic watchdog (Power Infant)



Zone-Beast 23 port Mix Control Module (G4) - SB-ZMix23-DN

GTIN (UPC-EAN): 0610696254313



DIN-Rail Mount, Total 3Ch Dimming, and 18 Relays, 1 temp aux, & a 1 VAV 0-10V. To be used as needed with easy assignment for following applications: lighting, dimming, HVAC, drapes & shutters, boilers or pump, Exhaust fan, Sirens/Flasher, door bell and many more (3ch dimming Each 2Amp / 17ch Relay 5A Each 1 Relay 16A for heavy Appliances), 1 temperature Sensor Input. 1 0-10v output



Auxiliary Hotel Room Power Master - SB-HAPower-WL

GTIN(UPC-EAN): 0610696254382



To connect to Simplified Energy Master Control Switch, Including 15A Master Cutoff Relay and Door Bell 220V output Trigger



Hotel Card Encoder - SB-CarderRR-FL

GTIN(UPC-EAN): 0610696254399



Mifare Card Encoder for Hotel GRMS, good for up to 4K of Data coding and Reading Per Card



LED Driver/Dimmer 4Ch Bus-Enabled (G4) - SB-4LED-DCV

GTIN (UPC-EAN): 0610696253941



Smart-BUS enabled (G4) 4000mA LED Driver, 4CH=RGBW 1000W Each, Variable 12-24VDC, to give power and control LED Lighting Brightness/ dimming and Color Mixing. Manual Programming Enabled. Good for LED Mood Lightng Control, DC input From Selected Voltage Power Supply. Works As Stand Alone and BUS-Enabled



Applicable Pictures Example:

- Homes • Hotels • Restaurants • Luxury Boats • Schools • Factories • Prayer Halls • Commercial centers
- Prayer Halls ↓
- Commercial centers ↓



Smart-Bus Dimmer Multi Phase 8ch 1.5Amp /ch - SB-DIM8c1A-DN GTIN (UPC-EAN): 0610696254702

Description:

Easy Multi phase Dimming scene, Queue, Sequence, On Off, Easy Programming



0 610696 254702

Smart-Bus Flourescent Ballast (0V-10V) Dimmer (G4) - SB-6B0-10V-DN GTIN (UPC-EAN): 0610696254610

Description:

S-bUS enabled, 6 Channel control with relay cut off. Manual Programming Enabled. (Overheat, Overload Protection) single phase both 110/220 VAC, 50-60Hz. (Green operated supplied by 24VAC/25mA). Cascadable, Upgradable Via USB Cable



0 610696 254610

SmartBus 3R Mini Relay Moudule G4 - SB-3R-UN GTIN (UPC-EAN): 0610696254627

Description:

Bus Enabled, 3channel Relay module 1Amp per channel for Automation Security Siren, Lighting simple low load channel control, Electric Lock, Curtain motor, trigger of gate/Garage Motor etc. (Built in Intelligence and delay and double throw Function) - Small size can fit behind switch. With Broadcast Enabled, Ready with Firmware USB Upgrade



0 610696 254627

Smart-Bus Dimmer 4ch 3Amp /ch, DIN-Rail Mount (G4) - SB-DIM4c3A-DN
 GTIN (UPC-EAN): 0610696253873

Description:

DIN-Rail Mount Dimmer 4ch 3A /per ch. with scene controller (Overheat, Overload, Surge Protection) single phase both 220 /110 VAC, 50-60Hz (Green operated supplied by 24VAC/30mA) Small and elegant with easy labeling space, output status LED indicator, network health, broadcast address button and Momentary channel button. Can be used in any location that require energy saving, intelligent control such as apartment, Villa, Offices, Restaurant, Hotels or factories. Can be Manually Programmed by any Electrician on site without need for PC.


Smart-Bus Relay 12ch 10Amp /ch, DIN-Rail Mount (G4) - SB-RLY12c10A-DN
 GTIN (UPC-EAN): 0610696254375

Description:

DIN-Rail Mount Switched Pass Through Relay 4ch 16A /per ch. with scene controller Multi Phase, Multi-Current, Multi voltage. Software Selectable programmable Motor function: Double Throw Dipole Grouping. Work 220/110 VAC, 50-60Hz as well as 1.5-48VDC (Green operated supplied by 24VAC/12mA) Small and elegant with easy labeling space, output status LED indicator, network health, broadcast address button and Momentary channel button. Can be used in any location that require energy saving, intelligent control such as apartment, Villa, Offices, Restaurant, Hotels or factories. *Can be Manually Programmed by any Electrician on site without need for PC.


9 in 1 Multifunction Sensor (G4) - SB-9in1T-CL
 GTIN (UPC-EAN): 0610696253996

Description:

Bus Enabled, Addressable Ceiling Mountable 9in1 Multi-Functional sensor. One device has 9 functions designed perfectly for Automation Industry techno-lifestyle needs. This All-in-One device contains: (addressable Motion sensor, light intensity LUX sensor, Infrared receiver for easy access by remote control, 360 degrees infrared transmitter to control 250 IR codes of electronic equipment like TV, DVD...etc., addressable 2-Zone Dry contact inputs one is for Safety, and one is for Security to connect to the room window sensor and smoke detector or any other sensor, save the wiring and programming time, it has 32 Logic lines (if, then, and or, nand, nor), and it support Burgular Security Code input checking, arming and disarming, it has Built in Temperature Sensor that can be paired to HVAC2 Module, and for other reading needs)

**Added function: Easy S-BUS Connectors, Temperature Sensor, and mini USB firmware upgrade port, & Advanced mechanical design and size to fit ceiling boxes twist in.


PIR Motion sensor (Simplified) -SB-PIR-CL


Bus Enabled PIR Motion Sensor (Detection Angle = 110 Degrees, Adjustable detection Range 10 Meters diameter). Direct Pair Enable (Manual Programming Enabled.), NO/NC 5V Output to Connect to 3rd Party Alarm System as Normal PIR. (Works 12V and 24V As Stand Alone PIR)



Climate Control



Smart-Bus HVAC2, Air Condition Control Module (G4) - SB-HVAC2-DN GTIN (UPC-EAN): 0610696253767



Description:

DIN-Rail Mount Advanced Climate Control Module that installs near HAVC unit to save cost of wiring and to eliminate the need for standard ugly thermostats. being S,BUS enabled it can be controlled flexibly from any DDP panel and any BMS Automation Software. The HVAC2 Module can control Single and Multi stage Units (Heat, Cool, Fan low, High, Medium, VAV 0-10VDC) it can Handle any FCU, AHU, VAV System. With easy labeling space, Comes ready with LED indicator, network health, broadcast button. Good for applications witch require energy saving, Health intelligent control such as residential, commercial or industrial.

**Advanced: HVAC2 Can be Manually Programmed by any Electrician on site without need for PC.



Smart-Bus IR Emitter with Current Sensor (G4) - SB-IR-UN GTIN (UPC-EAN): 0610696253774



Description:

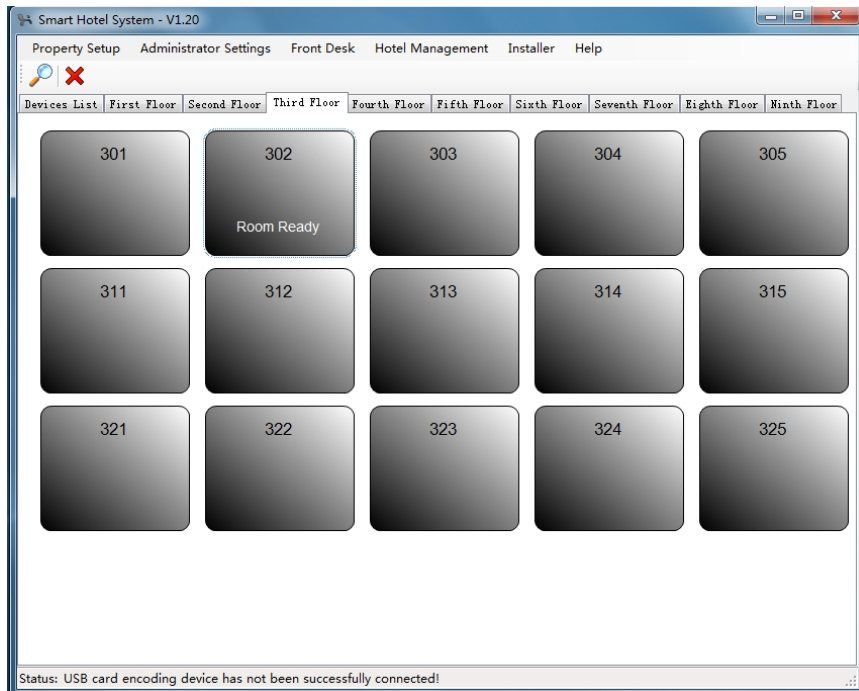
Universal Infra Red code Emitter with built in 2A current sensor and cyclic function. The innovative current sensor Idea check if the electronic equipments is running or is turned off to prevent sending Power Toggling IR code as example. Each module Can save up to 255 IR codes then can be used for Home theater equipment, HVAC, Media systems at living rooms, Curtains control, and several other devices.

**Added function: Bigger screw terminals, Broadcast button, and mini USB firmware upgrade port.

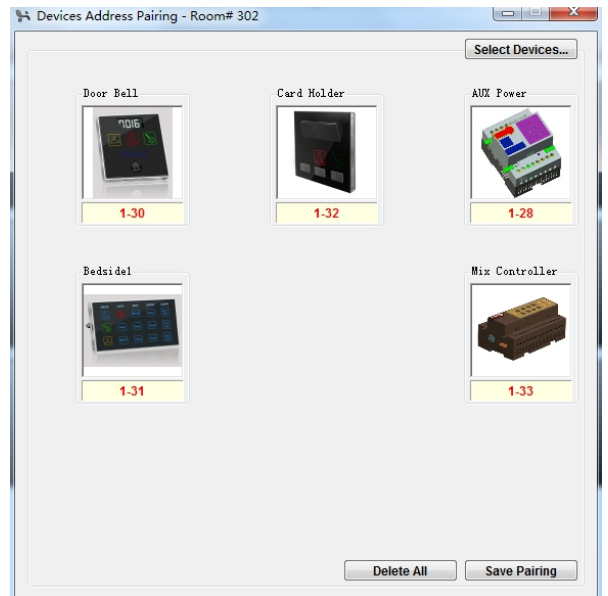


SoftWare For Smart Hotel

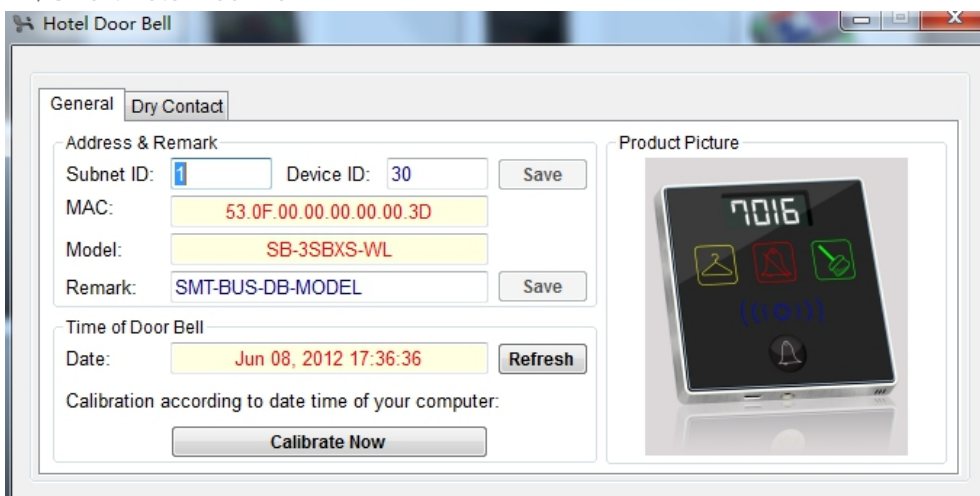
↓ Smart Hotel System



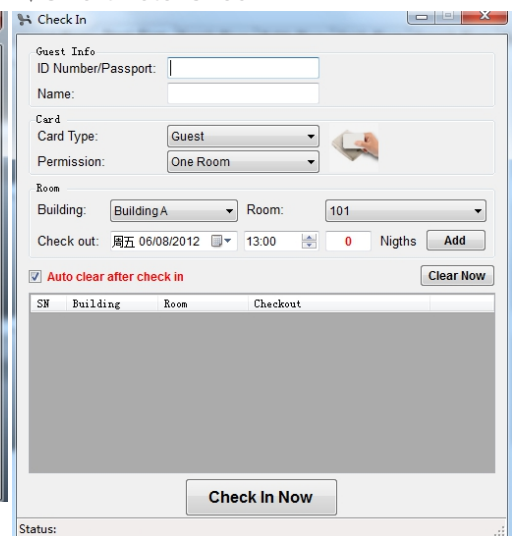
↓ Smart Hotel Room



↓ Smart Hotel Door Bell



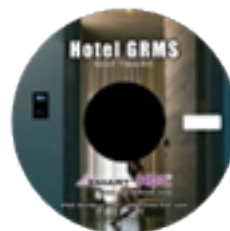
↓ Smart Hotel Check in



↓ Hotel Service Management SW (per license)



↓ Hotel Guest Room Card Management Software



Pictures Of Installed Examples

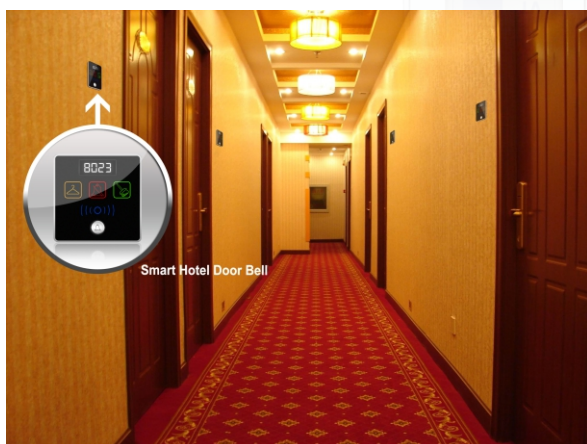
G4 In Smart Hotel GRMS Application



↓Hotel DDP Menu



↓Hotel Service



Smart Hotel Door Bell



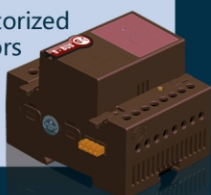
Smart Hotel Card Holder

Smart Hotel Bedside Panel



A Motorized Devices

Control your motorized curtains, projectors and screens.



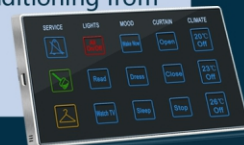
B Hotel Door Bell

Bell, display the room number and card reader, DND, Clean room, Pick up laundry.



C Bedside Tabletop

Control your lights, audio, video, curtains, air conditioning from your bedside.



D Master Room Card Control

Control your hotel room mood DND sets your desired temperature, lighting and disables doorbell.



E Air Conditioning

Maintain your desired room temperature to give you just the right atmosphere.



F Lighting and dimming

Control and dim your hotel room lamps, spot and bathroom lights.



G Sockets

Control on and off or electrical appliances.



H Sensors

For energy saving and intelligent control.



I Entertainment

Manage your audio systems from your favorite music collection, media library or IPOD.



J Security

Door and window magnetic contacts for security against burglar and intruders.



K Elegance

Enjoy bath time with the mirror tv and for convenience of misted mirrors, use mirror defogger.

