IP Intercom technology to make your home smarter

IP INTERCOM AND SMART HOME SYSTEMS

CATALOGUE 2018

Multitek®

Multitek

We have been researching, designing, developing and manufacturing since 1989.
Multitek has become the leading intercom manufacturer in Turkey and surrounding regions, with deep commitment to R&D and new technology development.

Today, Multitek provides solutions all over the world with 160 employees, 14 regional offices and more than 500 business partners.

Starting with telephone exchanges; Multitek has added intercom systems, smart home management, fire alarm detectors and telecommunication systems to its portfolio in years. With in-house R&D, manufacturing, sales and after sales units; new product development is a never ending passion for the company. Multitek is the sole certified intercom manufacturer in Turkey, verified by Ministry of Industry and technology.

IT Multitek R&D is now focused on IP intercom systems, integrated smart home applications and tele-health solution. As one of the first companies to develop IP intercom system in 2016, Multitek has already implemented and completed thousands of IP solutions and smart home projects.

Multitek's smart manufacturing facilities are located in Istanbul on 7000m^2 closed area with high capacity SMT and assembly lines. By investing more in new equipment, technology and qualified resources; we aim to provide better solutions every day for a smarter world.

WHY IP INTERCOM ?

“Easy implementation and maintenance. No need for additional technical knowledge.”

Number of rooms in your building does not matter! 2 or 1000.. Just connect the network with CAT6 cabling. Easy to implement without training or a special program

“Superior functionalities with internet / mobile technology infrastructure.”

All rooms can talk to each other at the same time without any limit.
All rooms and management can send messages to each other, management can broadcast messages.
Unanswered calls and their screenshots are saved and sent to mobile phone.

Video and voice quality are the same and crystal clear for all rooms. No picture noise or colour loss.”

There is no need for additional infrastructure elements like video distributor, amplifier etc.
The closest or the most distant monitor has the same video / voice quality

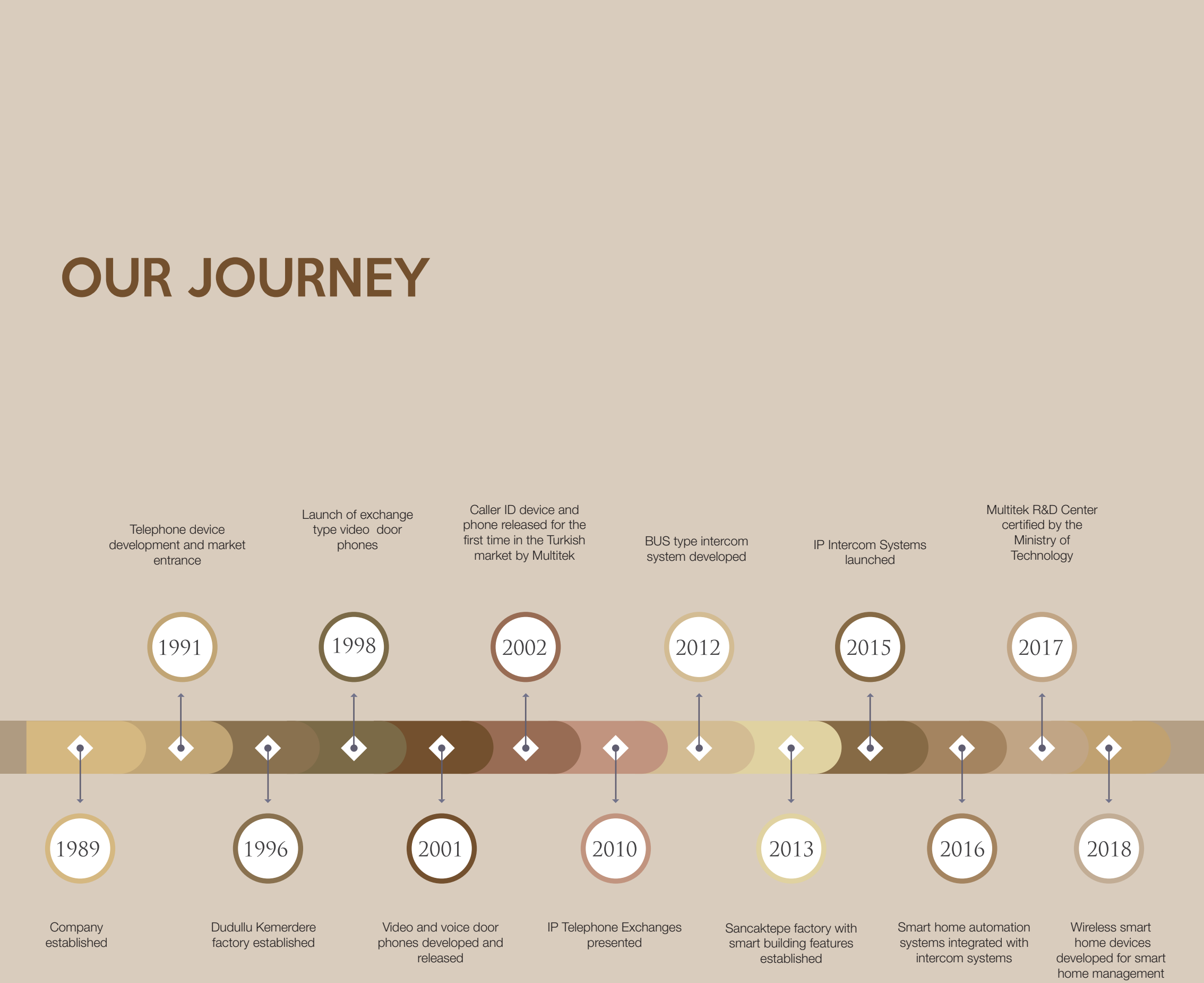
“All these functionalities with competitive prices.”

Compared to other analog or IP intercom systems in the market, it is easier to implement, cable and maintain

“Ready for future developments.”

IP is the future! IP intercom systems have great capability to meet future needs such as smart home, alarm and IoT.

OUR JOURNEY


1989
Company established
1991
Telephone device development and market entrance
1996
Dudullu Kemerdere factory established
1998
Launch of exchange type video door phones
2001
Video and voice door phones developed and released
2002
Caller ID device and phone released for the first time in the Turkish market by Multitek
2010
IP Telephone Exchanges presented
2012
BUS type intercom system developed
2013
Sancaktepe factory with smart building features established
2015
IP Intercom Systems launched
2016
Smart home automation systems integrated with intercom systems
2017
Multitek R&D Center certified by the Ministry of Technology
2018
Wireless smart home devices developed for smart home management

SELECTED REFERENCES

Emlak Yapı/Cihan İnşaat/
Avrupark / 1.394 rooms

YP İnşaat/Nefis Çankaya/
432 rooms

Teknik Yapı/Concord/
A-B Etap / 1.184 rooms

Kiptaş/Sosyal Tesisleri
Çatalca / 2.160 rooms

Emlak Yapı/Dap Yapı /
İstmarina / 1.516 rooms

Emlak Yapı/İntaya-Eyg-İntes
Adım İstanbul / 615 rooms

Emay İnşaat/Kent Plus
1.276 rooms

Nida İnşaat/Nidapark
378 rooms

Emlak Yapı/Kalyon İnşaat/
Kayabaşı 2.Etap
279 rooms

Emlak Yapı/Sarphan
410 rooms

Selçuklu İnşaat/Selçuklu Vadi
455 rooms

Emlak Yapı/Siyah Kalem
Köy Projesi / 1.400 rooms

Emlak Yapı/Varyap-Gap
/Metropol İstanbul
1.405 rooms

Emlak Yapı/Yörük Yapı
Ispartakule / 947 rooms

Emlak Yapı/Balpa İnşaat
Ispartakule / 519 rooms

Emlak Yapı/Nida İnşaat/
Nidapark
844 rooms

Acarlar Sitesi
1.071 rooms

Regnum Elitkent Sitesi
722 rooms

Emlak Yapı/Makro-Akyapı/
Park Mavera 1-2-3
1.955 rooms

YDA/Park Avenue
2.105 rooms

MBM İnşaat/Akadia Modern
1.000 rooms

Türkerler/Mahal Ankara
708 rooms

Emlak Yapı/Nazmi Akpınar
Vefa Tesisleri
744 rooms

Önay Grup/Önay Life
Residence
442 rooms

IP Intercom Connection Diagram

(Linux and Android systems have the same adaptor and switch structure but monitor and door panels are different)
Linux and Andorid IP intercom room monitors and door panels cannot operate together.

IP intercom system is created with 4 devices and cabling:

Device Types:
1. Room monitor
2. Door panel
3. PoE Switch
4. Adaptor

All these devices are connected to each other with CAT6 cable. Additional power cable is not required, all network retrieves power from PoE switch.
There is no limit in number of connected room monitors or door panels, the system can be extended with additional PoE switches and adaptors.

ADDITIONAL TRAINING IS NOT REQUIRED TO IMPLEMENT MULTITEK IP INTERCOM SYSTEM. YOU DO NOT NEED TO KNOW IP ALLOCATION OR NETWORK, IT IS AS EASY AS COUNTING NUMBERS.

Integrate PoE switches and adaptors to room monitors and door panels in the block.
CAT6 cabling is used if distance between blocks is less than 70 meters.
If distance between blocks is more than 70 meters, fiber infrastructure is used.
Security console with 10” screen is added to security points
IP cameras located in security points, surrounding CCTV cameras are connected to intercom network.

1-Anroid IP Intercom and Smart Home

control your
intercom,
alarm and **smart home**
features with a single device

Smart Home Management

Increase your security and comfort at home by selecting the most suitable smart home solution for your home. Wireless RF, KNX, Somfy RTS and relay..

KNX somfy Kablosuz 433 MHz 150 m

Alarm Management

Increase your home's security level by adding new alarm detectors. You can control alarms via your mobile phone and direct them to building management.

Intercom Features

Advanced intercom features (video call and message between rooms, snapshot of the visitor etc.) Never miss a visitor again!

IP Intercom System Features

» Capacitive touch screen with high sensitivity and resolution (TFT LCD 1024x600 pixel)
» All features can be controlled from mobile device
» No need for additional infrastructure elements (i.e. server) to build a network
» Perfect video and voice quality regardless of number of floors
» Network connection with CAT6 cabling
» Video and voice call between rooms
» Connection to security, gatekeeper, site manager and other rooms with a single tap
» No limit in number of additional IP cameras
» Different ring tones for different callers (i.e. security, room)
» Multiple messages sent to all rooms easily
» Screenshot of unanswered calls sent to mobile device
» Smart home enabled with different devices and protocols

Fast Installation

stylish design,

user-friendly

screens

ANDROID IP MONITORS

VIP101-SMART

10" LCD ROOM MONITOR
ALUMINUM AND GLASS SURFACE
INTERCOM, ALARM and SMART HOME TOGETHER

Gray

Black

TECHNICAL FEATURES

Screen	10" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Camera	IP front camera (0.3 Mpixel)	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
Touch	Capacitive	**Working Current**	200 mA stand-by, 300mA active
TFT Card	Yes	**Working Temperature**	-10, +55°c
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Humidty**	%20-95 (non-condensed)
Operating System	Android	**Installation**	Flush mount
Connection Protocol	SIP	**Color**	Black, Gray
Transmission	TCP/IP	**Dimensions**	339x206x4mm (on wall)
Codec	Voice G.711, Video H.264		

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VIP100-DELUX

10" LCD ROOM MONITOR
ALUMINUM AND GLASS SURFACE
INTERCOM, ALARM and SMART HOME TOGETHER

Rose

Dark Gray

TECHNICAL FEATURES

Screen	10" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Camera	IP front camera (0.3 Mpixel)	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
Touch	Capacitive	**Working Current**	200 mA stand-by, 300mA active
TFT Card	Yes	**Working Temperature**	-10, +55°c
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Humidty**	%20-95 (non-condensed)
Operating System	Android	**Installation**	Flush mount
Connection Protocol	SIP	**Color**	Dark Gray, Rose
Transmission	TCP/IP	**Dimensions**	339x206x4mm (on wall)
Codec	Voice G.711, Video H.264		

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VIP100-SMART

10" LCD ROOM MONITOR
WALL MOUNT, PLASTIC CASE
INTERCOM, ALARM and SMART HOME TOGETHER

VIP100-SMART-HANDSET

Black

White

TECHNICAL FEATURES

Screen	10" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Camera	IP front camera (0.3 Mpixel)	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
Touch	Capacitive	**Working Current**	200 mA stand-by, 300mA active
TFT Card	Yes	**Working Temperature**	-10, +55°c
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Humidty**	%20-95 (non-condensed)
Operating System	Android	**Installation**	Wall mount
Connection Protocol	SIP	**Color**	White, Black
Transmission	TCP/IP	**Dimensions**	287x183x29mm
Codec	Voice G.711, Video H.264		

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VIP74

7" LCD ROOM MONITOR
ALUMINUM AND GLASS SURFACE
INTERCOM AND OPTIONAL ALARM and SMART FEATURE

Natural

Dark Gray

TECHNICAL FEATURES

Screen	7" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Touch	Capacitive	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
TFT Card	Yes	**Working Current**	200 mA stand-by, 300mA active
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Working Temperature**	-10, +55°c
Operating System	Android	**Humidty**	%20-95 (non-condensed)
Connection Protocol	SIP	**Installation**	Wall mount
Transmission	TCP/IP	**Color**	Natural, Dark Gray
Codec	Voice G.711, Video H.264	**Dimensions**	256x147x19mm

VIP72

7" LCD ROOM MONITOR
ALUMINUM ELEGANT DESIGN
INTERCOM AND OPTIONAL ALARM, SMART HOME FEATURES

Natural

Dark Gray

TECHNICAL FEATURES

Screen	7" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Touch	Capacitive	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
TFT Card	Yes	**Working Current**	200 mA stand-by, 300mA active
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Working Temperature**	-10, +55°c
Operating System	Android	**Humidty**	%20-95 (non-condensed)
Connection Protocol	SIP	**Installation**	Wall mount
Transmission	TCP/IP	**Color**	Natural, Dark Gray
Codec	Voice G.711, Video H.264	**Dimensions**	256x147x19mm

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VIP71

7" LCD ROOM MONITOR
OVAL ALUMINUM DESIGN
INTERCOM AND OPTIONAL ALARM, SMART HOME FEATURES

Natural

TECHNICAL FEATURES

Screen	7" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Camera	IP front camera (0.3 Mpixel)	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
Touch	Capacitive	**Working Current**	200 mA stand-by, 300mA active
TFT Card	Yes	**Working Temperature**	-10, +55°c
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Humidty**	%20-95 (non-condensed)
Operating System	Android	**Installation**	Wall mount
Connection Protocol	SIP	**Color**	Natural
Transmission	TCP/IP	**Dimensions**	213x200x22mm
Codec	Voice G.711, Video H.264		

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VIP70-STD

7" LCD ROOM MONITOR
PLASTIC CASE, INTERCOM and
OPTIONAL ALARM, SMART HOME FEATURES

Black

White

TECHNICAL FEATURES

Screen	7" TFT LCD (1024x600)	**Network Connection**	Ethernet (PoE)
Touch	Capacitive	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
TFT Card	Yes	**Working Current**	200 mA stand-by, 300mA active
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Working Temperature**	-10, +55°c
Operating System	Android	**Humidty**	%20-95 (non-condensed)
Connection Protocol	SIP	**Installation**	Wall mount
Transmission	TCP/IP	**Color**	White, Black
Codec	Voice G.711, Video H.264	**Dimensions**	217x144x29mm

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GUV-IP100

10" LCD GUARD SET

Black

White

TECHNICAL FEATURES

Screen	10" TFT LCD (1024x600)	**Network Con.**	Ethernet (PoE)
Camera	IP front camera (0.3 Mpixel)	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)
Touch	Capacitive	**Working Current**	300 mA stand-by, 400mA active
TFT Card	Yes	**Working Temp.**	-10, +55°c
CPU	1.5GHz ,RAM 1GB,Flash 4 GB	**Humidty**	%20-95 (non-condensed)
Operating System	Android	**Installation**	Desktop
Connection Pro.	SIP	**Color**	Black-White
Transmission	TCP/IP	**Dimensions**	343x230x130 mm
Codec	Voice G.711, Video H.264		

EK ÖZELLİKLER

- Talking with handset
- Calling/called numbers registration
- CCTV camera connection
- Message broadcasting
- Proximity card management (optional)

INTERCOM FEATURES

• 7” / 10” TFT LCD, capacitive touch screen, 0.3 Mpixel camera, TFT card, room door button connection, date and clock information on screen
• Energy from PoE connection
• No limit in number of concurrent video / voice calls between rooms
• Different ring tones for different calls
• Snapshot of missed calls (1000 pictures)
• 4 parallel devices can be connected in a single room
• No limit in number of connected IP (ONVIF) cameras
• Send and receive short messages and files
• Emergency call, do not disturb, follow me etc. additional features
• Low energy consumption

ALARM MANAGEMENT

Intercom features are built-in with additional alarm featıres
• Wired and wireless 8 alarm zones (8 zone)
• Arm / disarm alarm zones by remote control or via IP monitor
• Heat, natural gas, smoke, magnetic, PIR (motion), water leakage, glass broken detectors can be connected
• Siren connection (optional) and programming siren horn time duration
• Alarm information is sent to security console and defined mobile number
• Special contact connection for alarm information transformation
• Detailed alarm information reports
• Setup for all alarm related variables

SMART HOME MANAGEMENT

Intercom and alarm features are built-in with additional smart home features
• No need for additional controller gateway
• Smart home can be designed according to needs and capabilities: KNX, RF modules, wireless Somfy RTS modules or relay control
• Control your home with RF modules from mobile app or IP monitor: ON/OFF ports, light switch, dimmer, shades, etc.
•Control your home with relay (RL): ON/OFF control, shades etc.
•Control your home with KNX devices: Any KNX device can be connected and controlled via monitor and mobile app.
•Control your home with Somfy wireless RTS: Meet our special product designed and developed with Somfy. Specially designed VIP70 Somfy monitor can control Somfy RTS wireless modules.
• Create your own control scenarios and select favorite products for customized comfort
•Task activation time and task devices can be set
•Alarm and smart home devices can trigger each other (i.e. turn off water when water leakage alarm zone is on)

MOBILE APPLICATION

• All smart home and alarm detectors are controled by the smart phone application dowloaded from App Store or Google Play Stores.The apps are free.
• Alarm can be armed / disarmed, notification sent during alarm presence
• Easy connection setup via QR code designated in room monitor's settings
•Snapshot of missed calls sent to application with a notification
• Calls can be established between the door panel and the mobil phones. Two-way video communication between mobile device and door panel for intercom calls and to unlock doors.

Download on the App Store

GET IT ON Google Play

Multitek®

“Functional Door Panel Wide Screen”

ANDROID IP DOOR PANELS

Natural

DIP70

DOOR PANEL
7" LCD WITH CAPACITIVE TOUCH

GENERAL FEATURES

- » Aluminum body with IP65 protection for water and dust
- » Vertical vandal proof capacitive touch screen
- » 7” IPS LCD, 1024x600 pixel resolution
- » Adjustable, wide angle 2 Mp camera
- » Convertible to room touch button type door panel
- » Call security, door keeper and rooms with a single top
- » Find and call residents from phone book
- » Door password defined for each room
- » Built-in proximity card reader
- » Time and temperature information
- » Weather forecast if connected to internet
- » Photocell and optional 7 RGB color frame
- » Energy saver, motion sensitive wake-up
- » User instructions with voice messages
- » Use company logo as ring button

Multitek®

White Black

DIP40

DOOR PANEL 4" LCD WITH CAPACITIVE TOUCH BUTTONS

GENERAL FEATURES

- » IP65 protection for water and dust
- » User-friendly 4” LCD screen and 2 MP camera
- » Call security and doorkeeper with a single tap
- » Find and call residents from phone book
- » Open building door with unique password or a proximity card
- » Define up to 5 proximity cards for each room and delete cards when necessary
- » Programmable touch buttons with 7 different colour options
- » Name and number of the building on the screen
- » Time and temperature information
- » LED frame with 7 different colour options
- » Black / white color options

Natural Black

DIP01

SINGLE-BUTTON DOOR PANEL

GENERAL FEATURES

- » Single touch button
- » IP65 protection for water and dust
- » Aluminium frame and ABS plastic button
- » LED lights for night view
- » Available in dark gray, natural and bronze
- »120˚ wide lens

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DOOR PANEL TECHNICAL FEATURES	DIP70	DIP40	DIP01
Screen	7” IPS LCD (1024x600), unscratchable, unbreakable	4” LCD (320x240) glass surface	-
Camera	2 MP Camera, 2.8 mm lens, configurable camera angle, night view LEDs	2 MP Camera, 2.8 mm lens, configurable camera angle, night view LEDs	0.3 MP Camera (120 degree angle), night view LEDs
Touch	Capacitive touch panel	Capacitive touch button	Capacitive single touch button
CPU	1.5GHz, RAM 1 GB, Flash 4 GB	1.5GHz, RAM 1 GB, Flash 4 GB	1.5GHz, RAM 1 GB, Flash 4 GB
Operating System	Android	Android	Android
Transmission	TCP / IP	TCP / IP	TCP / IP
Codec	Voice G.711, Video H.264	Voice G.711, Video H.264	Voice G.711, Video H.264
Network Connection	Ethernet (PoE)	Ethernet (PoE)	Ethernet (PoE)
Working Voltage	12-24 VDC (PoE) (nominal 18VDC)	12-24 VDC (PoE) (nominal 18VDC)	12-24 VDC (PoE) (nominal 18VDC)
Working Current	300 mA Stand-by, 400 mA	300 mA Stand-by, 400 mA	200 mA Stand-by, 300 mA
Working temperature	-10, +70°C	-10, +70°C	-10, +70°C
Humidity	%20-95 (noncondensed)	%20-95 (noncondensed)	%20-95 (noncondensed)
IP Code	IP65	IP65	IP65
Installation	Flush mount or surface mount with LED frame	Flush mount or surface mount with LED frame	Surface mount
Colour	Natural	White, Black	Black, Natural
Dimensions	142x370x17 mm (height on wall)	141x369x14 mm (height on wall)	120x160x30 mm
	172x403x19,9 mm (surface mount with LED frame)	172x403x19,9 mm (surface mount with LED frame)	

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How would you like your home to be "smart"?

ANDROID IP INTERCOM SMART HOME MANAGEMENT OPTIONS

SMART HOME MANAGEMENT

1. KNX devices
2. Multitek RF wireless modules
3. Somfy RTS wireless modules
4. Relay control

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1. SMART HOME MANAGEMENT WITH KNX DEVICES

Why should use KNX® smart home system?

A world-class smart home system that offers more convenience, security, and more energy saving!

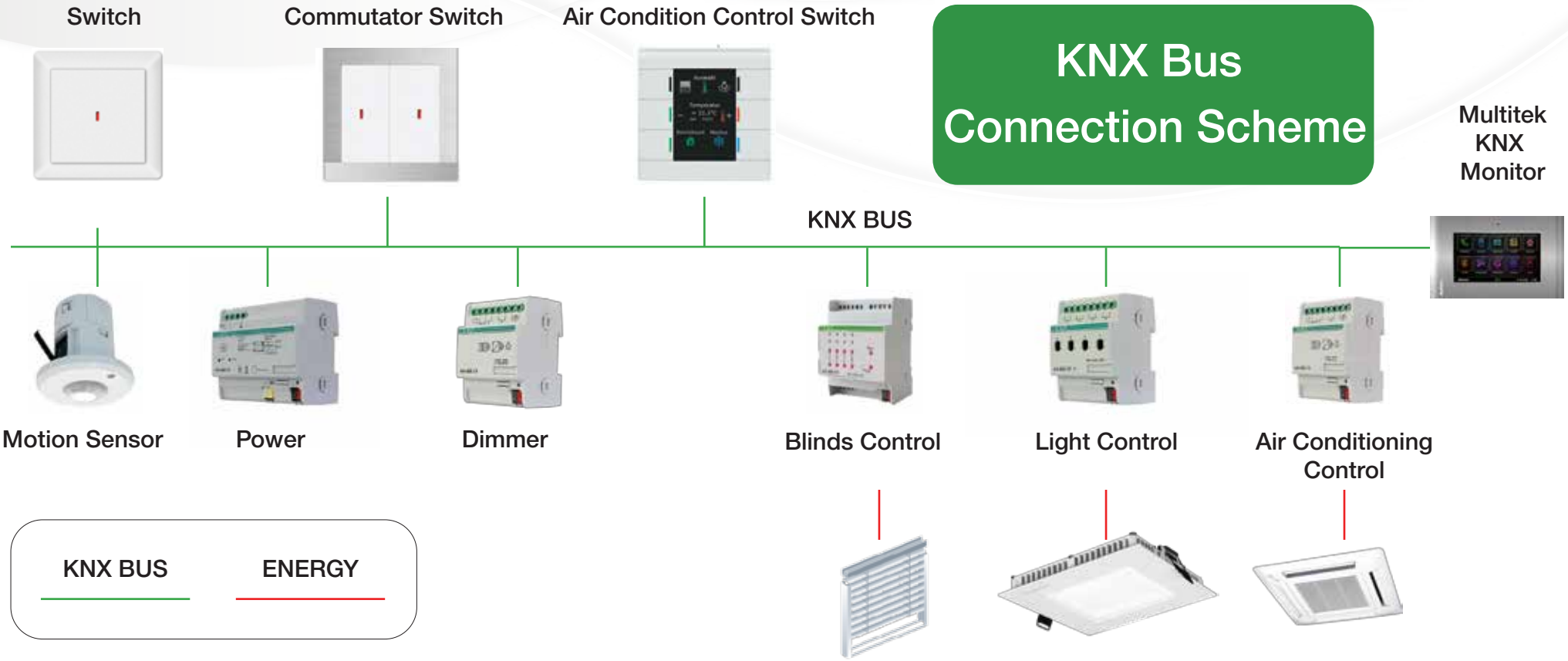
1. KNX is a home automation and smart home system protocol defined by Europe's most reliable EN 50090 standard.
2. KNX is the smart home and building automation system built by more than 240 leading companies in the world.
3. 80% of smart home systems installed in the world are KNX systems.
4. KNX is the standard of certified products, which are easy to use, easy to wire, with high security, centrally controllable, and where you can ask for assist when you have a problem.
5. It is a system that can be integrated with different building management systems by its modern, future oriented structure.
6. It is a system that has an independent substructure from manufacturer, which can supply products from different manufacturers.
7. Provides a single substructure and maximum flexibility for multiple functions.
8. it is a reliable standard, developed for energy saving.

SOME OF THE SELECTED KNX DEVICES:

Light control	Heater / Air conditioner control
HVAC control	Audio / Video device
water / electricity / gas control	control

and many more…

Multitek KNX room monitors connect directly to the KNX bus and there is no limit.



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SMART HOME MANAGEMENT - KNX

INTERCOM, ALARM, SMART HOME MANAGEMENT AND MOBILE CONTROL

VIP101-SMART-KNX

KNX BUS CONNECTION

SMART HOME MANAGEMENT

KNX SMART HOME DEVICES

KNX

- Light
- Blind
- Power Switch
- Heater
- Water Valve
- Gas Valve
- Watering
- HVAC

MOBILE DEVICES

GET IT ON Google Play

Download on the App Store

ALARM MANAGEMENT

ALARM CONNECTION

WIRED / WIRELESS ALARM DEDECTORS

PIR · SIREN · MAGNETIC · GAS · SMOKE · WATER LEAKAGE

SECURITY CAMERAS

- CAMERA 1 (IP CAMERA)
- CAMERA 2 (IP CAMERA)
- CAMERA 3 (IP CAMERA)
- CAMERA 9 (IP CAMERA)

IP INTERCOM CONNECTION

PoE

ROUTER

INTERNET

DOOR PANEL

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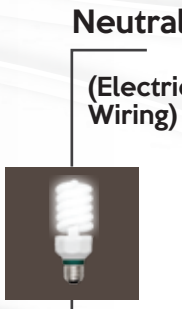
2. SMART HOME MANAGEMENT WITH WIRELESS RF MODULES

No wire, no wall breaking. Multitek RF Wireless modules are ready to make your home smart in no time.

Diagram of an apartment with gas, water,electricity and air conditioner control.

IP INTERCOM SMART-RF MONITOR

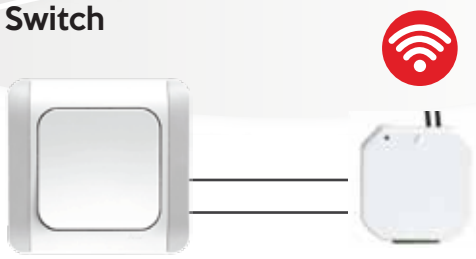


Neutral

(Electric Wiring)

Light Bulb

Switch



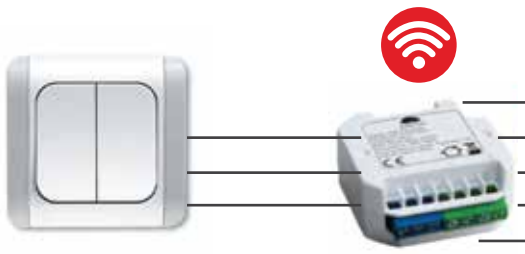
Phase

(Electric Wiring)

Mini Flush Mount Control Receiver for light (I01, I02)

(Module is inserted into wall hole behind light switch)

Blind



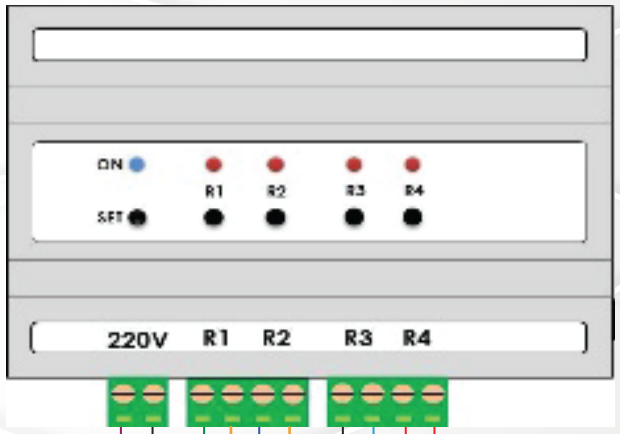
220VAC

Phase

Rolling Shutter Receiver (P01)

(Module is the curtain control)

RF-40OFF MODULE



Neutral

220VAC

Phase

12VDC ADAPTOR +

ADAPTOR -

Gas Valve

Water Valve

Mini Circuit Breaker

Neutral

220VAC

Heater/ Air-Conditioner Controller

Short-circuit contact

CONTROL WITH RF-40NOFF MODULE:

* Module is inserted to room electrical box panel
* Expandable / Use as many modules as you need

There is no limit in number of wireless modules that can be connected to a room monitor. Connect as many as you need !

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SMART HOME-RF WIRELESS AUTOMATION MODULES

433 MHz, 150 meters range in open area (30 meters in closed area)

	RF- 4ONOFF (4 PORTS ON/OFF WIRELESS CONTROL MODULE) Used for turning ON/OFF four selected devices (i.e. electricity, gaz, water, heater). It is also possible to turn ON/OFF devices manually with buttons on the module. The module pairs the wireless code automatically. It may be mounted to DIN rail electricity panel of the room.
	TO1 (WIRELESS TEMPERATURE CONTROL MODULE) (JAN 2019) It is connected to heater to control the room temperature. It works with a battery.
	DO1 (WIRELESS CONTROL LIGHT SOCKET-DIMMER) It is used to control LED lamps up to 60 watt with self learning wireless code.
	IO1 (MINI FLUSH MOUNT REMOTE CONTROL RECEIVER) Installed behind ON/OFF wall switch of the light. The wall switch can also control the module manually. It powers up to 2000W. (Phase and neutral cables are needed.)
	IO2 (MINI FLUSH MOUNT REMOTE CONTROL RECEIVER) Installed behind ON/OFF wall switch of the light. The wall switch can also control the module manually. It powers up to 150W LED, halogen, fluorescent lamps. (Neutral cable is not needed.)
	DO2 (MINI FLUSH MOUNT REMOTE CONTROL RECEIVER-DIMMER) Installed behind ON/OFF dimmer wall switch of the light. The wall switch can also control the module manually. It powers up to 150W.
	PO1 (ROLLING SHUTTER CONTROL) Installed behind blind/ curtain/rolling shutter wall switch. The wall switch can also control the module manually. It powers up to 500W.
	KO1 (REMOTE CONTROLER) It controls up to 12 wireless channel where each channels controls 5 wireless codes. It has also group ON/OFF function.

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SMART HOME MANAGEMENT - MULTİTEK WIRELESS RF MODULES

VIP101-SMART-RF

MOBILE DEVICES

GET IT ON Google Play

Download on the App Store

ALARM MANAGEMENT

ALARM CONNECTION

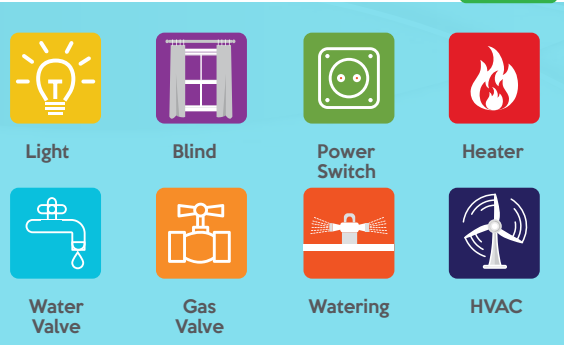
WIRED / WIRELESS ALARM DEDECTORS

PIR | SIREN | MAGNETIC | GAS | SMOKE | WATER LEAKAGE

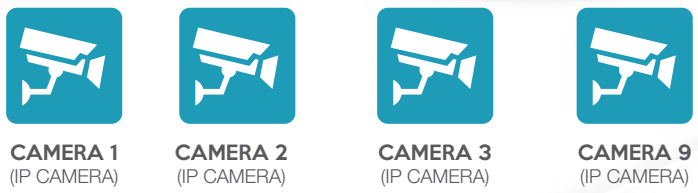
SMART HOME MANAGEMENT

WIRELESS RF MODULES

Wireless 433 MHz 150 m



SECURITY CAMERAS



CAMERA 1 (IP CAMERA) | CAMERA 2 (IP CAMERA) | CAMERA 3 (IP CAMERA) | CAMERA 9 (IP CAMERA)

IP INTERCOM CONNECTION

PoE

ROUTER

INTERNET

DOOR PANEL

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3. SMART HOME MANAGEMENT WITH WIRELESS RTS SOMFY MODULES

Somfy and Multitek have created a brand new technology -VIP70 Somfy- using Somfy RTS and Multitek IP Intercom to create smart wireless world for everyone! Now it is time to plug and play!

Radio Technology somfy inside

is currently one of the most reliable wireless home otomation system of the world.

- Multitek provides intercom products including; VIP70-SOMFY monitor, door panels, energy sources.
- VIP70 - SOMFY Room monitor has built-in intercom features and alarm management capabilities, behind SOMFY RTS wireless.
- Somfy provides a huge range of wireless smart home devices including micro receivers, smart sockets, motor control receivers, thermostat and remote controllers.
- Each VIP70-Somfy monitor can control 5 product groups. Each group can be designed by the user regardless of product type.
- Adding and deleting Somfy RTS devices to monitors takes only a few seconds!
- VIP70-Somfy works without any additional gateways, however if Somfy Connexoon is added to the system, all devices can be controlled individually via mobile application

VIP70-SOMFY room monitor features

It has all functions of VIP70 monitor including the intercom and alarm features. Additionaly, 5 group of Somfy RTS wireless smart home modules may be registed to monitor to control the Somfy RTS devices by touching the icons on the monitor.
If **“CONNEXOON – Smartphone control device”** is connected to IP intercom network all wireless devices can be controlled individually via mobile application.

It is possible to pair the following wireless RTS modules to VIP70-SOMFY monitor:

- Mini flush mount light control module
- Wireless controled socket or dimmer socket
- Blind/Curtain/Rollershutter control module
- Heater control and room thermostat

Technical Features

Screen : 7” TFT LCD (1024X600 pixel)
Camera : 0.3 Mpixel CMOS
Network : Ethernet (PoE) CAT6 cable
Operating System : Android
Dimensions : 217x144x29 mm (wall mount)
Colour : White

RTS Product Features

Frequency : 433.42 MHz
Radio Range : 200 m (Open Area), 30 m (Closed Area)
Operating Voltage : 220VAC

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SMART HOME - SOMFY RTS WIRELESS DEVICES

	CONNEXOON RTS	**CONNEXOON RTS** Connected RTS devices can be controlled individually by mobile application
	LIGHT CONTROL	**INDOOR MICRO LIGHTING RECEIVER RTS** Installed behind ON/OFF wall switch. Used for halogen light (500W), LED light (600W) or valves ON/OF (500W). Records 12 transmitters.Neutral cable is needed.
	SOCKET CONTROL	**REMOTE CONTROLLED ON/OFF INDOOR SOCKET RTS** Any electrical device can be controlled. (3600W)
	SOCKET CONTROL DIMMER	**REMOTE CONTROLLED ON/OFF INDOOR DIMMING SOCKET RTS** Plug with dimming functionality. Any light can be remotely dimmed. (3500W)
	MOTOR CONTROL	**MICRO RECEIVER FOR BLINDS RTS** It is mounted behind blind switches on the wall to control the motorized blind/curtain wirelessly.It works with any standart wall switches. Dimensions:41x45x19 mm
	REMOTE CONTROL WALL TYPE	**SMOOVE ORIGIN RTS, WALL TYPE REMOTE CONTROL** Single channel, touch button, wall type remote control. Has 3 years battery life.Battery3V. Dim.: 50x50x10 mm Col.: Shinny White
	REMOTE CONTROL	**TELIS 1** Single channel, hand type remote control. Up, down, stop, my buttons. Save favourite position to "my"
	REMOTE CONTROL	**TELIS 4** 4 +1 channel hand type remote control. . Up, down, stop, my buttons. Save favourite position to "my"
	REMOTE CONTROL	**TELIS 16** 16 channel remote controller with digital screen. Picture and name allocation to channels is available. Up, down, stop, my buttons. Save favourite position to "my"
	THERMOSTAT	**THERMOSTAT** Wired (or wireless) connection to the heater. It controls the room temperature and saves energy.Work independently from IP system. It needs battery and has an app to control from mobile phone

SMART HOME - SOMFY RTS WIRELESS MODULES MANAGEMENT

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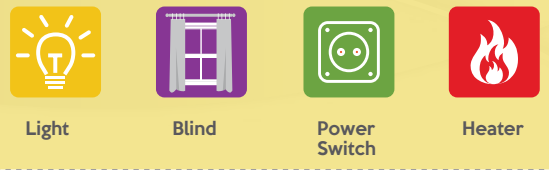
WIRELESS SOMFY RTS MODULES

somfy



Light | Blind | Power Switch | Heater

SECURITY CAMERAS

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CONNEXOON

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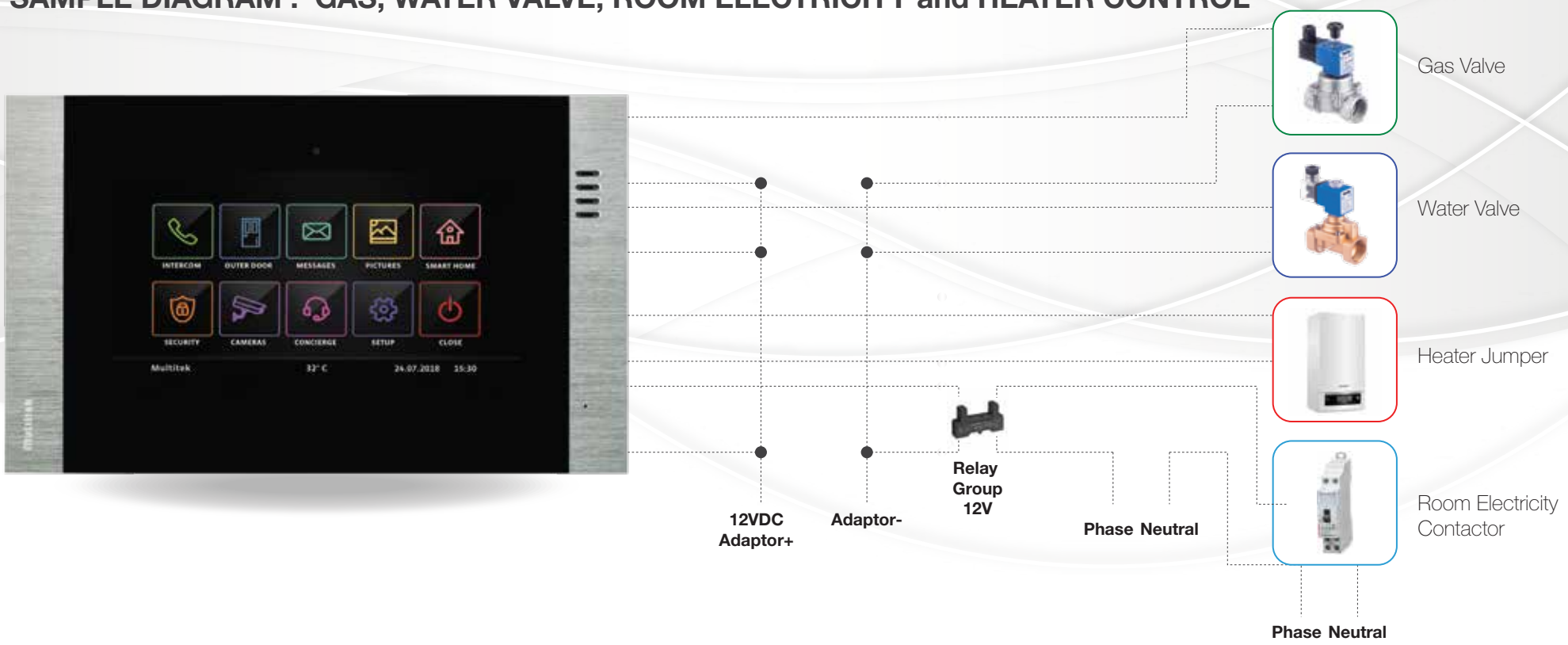
4. SMART HOME MANAGEMENT WITH BUILT-INSIDE RELAYS

Devices are controlled by built-in relays inserted in room monitors. Relay number can difter according to the type of the monitor.

VIP100 / VIP70-SMART-RL	4 relay control
VIP72-SMART-RL	8 relay control
VIP101 / VIP100-DELUX-SMART-RL	16 relay control

SAMPLE DIAGRAM : GAS, WATER VALVE, ROOM ELECTRICITY and HEATER CONTROL



Note: If the room monitor relay outputs will control the devices operating with 220VAC, a rail-type relay must be placed between the monitor and the device . (for security purposes, 220VAC is not allowed to circulate within the monitor) Rail-type relays are placed in the rails in the electric panel. An additional 12VCD adapter is also used to power the valves and rail-type relays.

SMART HOME MANAGEMENT - RELAY CONTROL

VIP101-SMART-RL

WIRED RELAY CONNECTION

SMART HOME MANAGEMENT

DEVICES CONTROLED BY RELAYS

- Light
- Blind
- Power Switch
- Heater
- Water Valve
- Gas Valve
- Watering
- HVAC

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Multitek®

“Stylish and convenient solution for prudent projects”

2 - LINUX IP INTERCOM SYSTEM

LINUX IP INTERCOM SYSTEM FEATURES

Stylish and convenient solution for prudent projects

LINUX IP INTERCOM SYSTEM FEATURES

- There is no limit in number rooms, floors, doors or facilities that can be connected
- There is no additional infrastructure element (server etc.) requirement
- Crystal clear voice and video quality for all rooms
- Network ethernet (PoE) connection with CAT6 cabling
- All units can call each other with no additional fee
- Voice message from door panel to rooms
- Security, gatekeeper and door connection with a single touch
- Different ring tones according to call types
- Voice assistance (busy, keypad notes etc.)
- Screenshots of door calls (100 without SD card)
- Unique password or proximity card for each room to unlock door
- Alarm management with 4 zones and direct report to security
- Elevator module (standart monitor with special software)
- Connected surrounding IP and CCTV cameras
- External IP camera view when security calls

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Gray

LIK35

3,5” TFT LCD DOOR PANEL (LINUX)

GENERAL FEATURES

- Night view LEDs
- Security, gatekeeper and door connection with a single touch
- Phonebook
- Unique door password for all rooms
- CAT6 cabling PoE
- Unique password or proximity card for each room to unlock door
- Voice message can be left for unanswered calls
- Voice assistance (busy, keypad notes etc.)
- Built-in proximity card reader

TECHNICAL FEATURES

Screen	3,5” TFT LCD (320x240)
Camera	1.3 MP CMOS, configurable angle, night view LEDs
Touch	Capacitive touch panel
Operating System	Linux
Transmission	TCP / IP, SIP protocol
Codec	Voice G.711, Video H.264 MPEG
Network Connection	Ethernet (PoE)
Working Voltage	12-24 VDC (PoE)
Working Current	Max. 500 mA
Door unlock	Password, proximity card
Working temperature	-20˚C, +70˚C,
Humidity	%20-95 (noncondensed)
Installation	Flush mount or surface mount with LED frame
Colour	Gray aluminum
Dimensions	318x130x51 mm

LIM70

7” LCD ROOM MONITOR (LINUX)

Gray

TECHNICAL FEATURES				GENERAL FEATURES
Screen	7” TFT LCD (800x480)	**Working Voltage**	12-24VDC (PoE) (nominal 18VDC)	Unlimited channels / calls between rooms
Touch	Capacitive	**Working Current**	90 mA Stand-by, 300 mA	Different ring tones according to call types
TFT Card	Can be inserted	**Working temperature**	-10, +55°c	Screenshot of door calls (100 units)
Operating System	Linux	**Humidity**	%20-95 (noncondensed)	3 parallel monitors can be connected to each room
Transmission	TCP / IP	**Installation**	Surface mount	Do not disturb mode
Codec	Voice G.711, Video H.264	**Colour**	Gray	Emergency call icon
Network Connection	Ethernet (PoE)	**Dimensions**	210x140x20 mm	PoE connection with CAT6 cabling

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LI-GUV01

7” LCD SECURITY CONSOLE (LINUX)

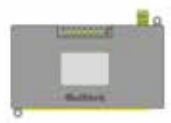
Gray

TECHNICAL FEATURES			
Screen	7” TFT LCD (800x480)	**Working Voltage**	12-24 VDC (PoE) (nominal 18VDC)
Touch	Capacitive	**Working Current**	90 mA Stand-by, 300 mA
TFT Card	Can be inserted	**Working temperature**	-10, +55°c
Operating System	Linux	**Humidity**	%20-95 (noncondensed)
Transmission	TCP / IP	**Installation**	On desk
Codec	Voice G.711, Video H.264	**Colour**	Gray
Network Connection	Ethernet (PoE)	**Dimensions**	326x206x56 mm

GENERAL FEATURES
Integrated handset
Log of calling / called numbers
Broadcasting messages to all rooms
CCTV camera connection
PoE connection with CAT6 cabling
Standing on desk

IP SYSTEM ACCESSORIES

IS-40 DIP40 / DIP70 door panels Light frame (75 RGB LEDs colour programable) (Only Android)	**IS-50** WALL MOUNT FRAME It is used to mount DIP40/DIP70 on wall (Only Android)	**ACI-30** DIP40 / DIP70 rotating aparat It is used to mount DIP40/DIP70 with 30 angle (Only Android)	**PS-18E** **18VDC/3.3A ADAPTOR** (System Power Source) Can support up to 6 STD monitors or 4 alarm/ smart monitors. One to one match with SWITCH8-PoE.	**RED -18E** **18VDC/10A ADAPTOR** (System energy source) Can support up to 15 STD monitors or 10 alarm monitors	**RJ45 PLUG** RED Colour PLUG for CABLING CAT6 (Mandatory for smooth installation)	**PS19-SWITCH 8+2 ADAPTOR+ SWITCH** 18VDC/120W, 8 PORT SWITCH, 2 UP/DOWNLINK PORTS (1 for 8 rooms)	**SWITCH8-POE** **POE-8 ETHERNET SWITCH** Each port feeds a single device	**SWITCH16-POE** **POE-16 ETHERNET SWITCH** Each port feeds a single device

					SOFTWARE			
SWITCH24-POE **POE-24 ETHERNET SWITCH** Each port feeds a single device	**ASN1** All type of IP monitors or IP phones can be used as elevator help monitor.	**T21 E2 SIP** IP telephone with SIP protocol can be connected to IP network (can be used in the elevator module as well)	**PROK - K** **PROK - A** **PROXIMITY CARD or PROXIMITY KEY**	**CIP13-BP500** **1.3 MP BULLET IP** camera (Building / block security camera) Note: ONVIF IP should be used for compatibility.	**SITE-IP-GUV** Required for alarm manage-ment. SERİ-USB DONGLE is included. Uploaded to desktop computer. (Only Android)	**ACCES MANAGEMENT** Access management system with proximity card control and management. (Only Android)	**IP-AS-CALL** (One for each block) Calling elevator to defined floor from indoor IP monitor (Only Android)	**LIP-01 ROOM/ VILLA INDOOR PANEL** 900 TVL, 120°C angle, night vision (142x44x21 mm) (Only Linux)

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