ALCAD
h o m e

DOOR ENTRY SYSTEMS
Video and audio intercom | Access control
Home automation

IPAL
100% IP SMART

THE SIMPLEST 100% IP SYSTEM TO INSTALL ON THE MARKET

PAL is ALCAD's **100% IP smart home management and intercommunication system.** Its factory custom preconfiguration makes it the simplest IP system to install on the market since it does not require additional onsite programming. It is ideal for large building complexes, and very interesting in large, small, individual or collective facilities, both for new buildings and refurbished buildings. For single-family homes and offices, the IPAL Kit includes everything you need to put a basic installation into operation.

IPAL puts the intelligent home within everyone's reach, with functions that combine the characteristics of a video intercom system with the enormous advantages that the smart home offers. And all controlled from the same monitor, which greatly facilitates home management: record unanswered calls, create personalized scenes for your everyday life... everything is possible with IPAL. Even when you are not at home: thanks to our exclusive APP, you can manage the entire system with a mobile phone. As easy as that!

IPAL: the **intelligent home and access control system that follows your rhythm.**

Main **features:**

Plug & Play

Factory custom preconfigured at our headquarters in Irún (Spain).

All-in-one security solution

Video surveillance, alarm intrusion and fire and energy management.

Ideal for installations with long distances

No limits for all types of buildings, from single-family homes to large urbanizations and skyscrapers. (*)

(*) Requires previous project (not included).

Bidirectional intercommunication video

Advanced IP video intercom: unique intercom system between neighbours with two-way video.

Manage all functions with a mobile phone

IPAL is the connected solution thanks to the free 'IPAL by ALCAD' APP for **Android** and **iOS**, which allows remote management of calls, door opening and all the home automation functions configured on the main monitor of the home or office: alarm system, energy management, video surveillance and access control.

Without the need for additional hardware, it allows the direct connection of the monitor to the Wi-Fi network that has contracted access to the internet.

Download it for:
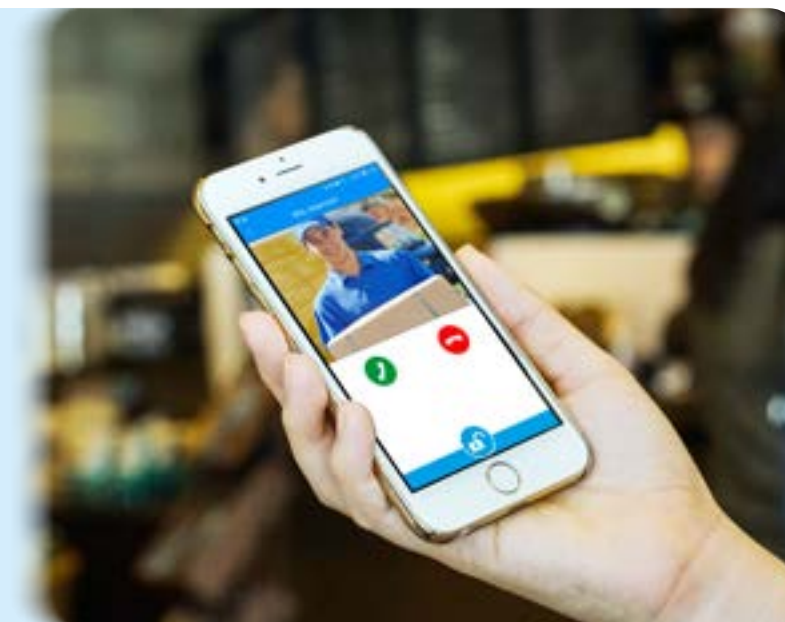
KABI: TAKE CONTROL OF THE WHOLE SYSTEM

Don't be fooled by the size of the **7 and 10-inch KABI monitors with capacitive touch screen**. Our indoor units are the heart of the entire IPAL system and allow you to take advantage of all its possibilities: the same device is responsible for receiving and / or recording calls from the entrance panel, and at the same time it controlls the integration of the home automation devices or the IP security cameras.

Their simple lines, alongside with their light tone, make it possible to install KABI monitors in any room. Their intuitive and simple menu greatly facilitates their use. And for those who spend many hours outdoors, **their connection with tablets or smartphones via Wi-Fi** allows the management of the entire system from anywhere in the world.

Main **features:**

■ **VIDEO INTERCOM FUNCTIONS**

- **Mobile phone functions** for the reception of calls, door opening, monitoring...
- Photo and video **recording.**
- Call **log.**
- Video call **intercom** with concierge and / or neighbours.
- **"Do not disturb" programmable function** depending on the hour of the day.

■ **HOME AUTOMATION FUNCTIONS**

- **Mobile phone functions** to receive alarms, control of devices, presence simulation.
- **Wireless connectivity** (RF 868MHz), WiFi and wired alarms.
- **RF accessories** for the control of lighting, blinds, curtains, intellingent plugs or heating.
- **RF Security Accessories** for flood, smoke, motion, door / window.
- **Wired alarms** with 4 independent NO or NC circuits (MCO-300 accessory not included).
- **Customizable scenes**, combining alarms and home automation devices ("watching TV", "leaving home", etc.).

Customizable **interface:**

To offer an **even more real experience**, our monitors allow you to customize the control screens in rooms where home automation devices are connected.

Take a photo of the desired room, upload it to the monitor and assign the necessary icons. And that's it!

	KABI 7" WHITE WIFI IPAL MONITOR	**KABI 10" WHITE WIFI IPAL MONITOR**
Operating system	Android	Android
Screen	7" capacitive touch screen	10" capacitive touch screen
Camera	Integrated front camera for video calls	Integrated front camera for video calls
Network connection	RJ45	RJ45
Power supply	PoE (or a 12VDC power supply)	PoE (or a 12VDC power supply)
Consumption	3,5W (stand-by); 6,5W (working)	5W (stand-by); 6,5W (working)
Installation type	With flushed connectors box (CME-020 model not included)	With flushed connectors box (CME-020 model not included)
Dimensions	223 x 120 x 14mm	285 x 158 x 15mm

9630078 | MVC-230
9630078 | MVC-250

INTELLIGENT AND SOPHISTICATED

Their great functionalities are not incompatible with their sophistication: the **range of home automation devices** compatible with the IPAL system makes it possible to convert, quickly and easily, any home into a **modern and elegant intelligent home**: lighting, curtains and blinds control mechanisms; smoke or motion sensors; and smart plugs that save energy. Their **white glass-like finish** underlines a discreet design that combines with any decoration. Moreover, the **capacitive buttons**, by reducing the possibility of mechanical breakdown, prolongs their useful life while facilitating their cleaning.

IPAL
intelligent thermostat

WIRELESS BOILER THERMOSTAT

979.0014 | **TER-000**

The intelligent thermostat for boiler heating system control saves energy, personalizing the environment of a room according to the hours of the day. It is possible to vary the temperature at any time, **even remotely through the free APP** 'IPALTherm', available for Android and iOS.

It works independently.

- **Front panel:** PC+ABS
- **Display:** backlit LCD
- **Communication:** WiFi 2,4 MHz
- **Power supply:** 95-240VAC 50/60Hz
- **Consumption:** <1,5 W
- **Dry contact maximum current:** 3 Amp
- **Setting temperature range:** 5-35 °C
- **Installation type:** flush mounted in a standard mechanism box
- **Temperature range:** 0°C ,,, +55°C
- **Dimensions:** 86 x 86mm (width x height)

Download it for:

	979.0006 | **MEC-000**	979.0000 | **MEC-100**	979.0001 | **MEC-101**	979.0002 | **MEC-102**
	SCENE CONTROL TOUCH BUTTONS	**DIMMING LIGHT REGULATOR TOUCH BUTTONS**	**SWITCH TOUCH BUTTONS**	**DOUBLE SWITCH TOUCH BUTTONS**
Function (number of buttons)	Scene control (4-capacitive technology)	Regulation of dimming light (3-capacitive tech.)	Light control (1-capacitive technology)	Light control (2-capacitive technology)
Materials (colour)	White tempered glass front panel	White tempered glass front panel	White tempered glass front panel	White tempered glass front panel
Communication	RF band 868MHz	RF band 868MHz	RF band 868MHz	RF band 868MHz
Power supply	110-240VAC, 50-60Hz	110-220VAC 50Hz	110-240VAC 50Hz	110-240VAC 50Hz
No. of circuits - Type of circuits	-	1 - Adjustable (Dimmer)	1 - ON-OFF	2 - ON-OFF
Power per circuit	-	400W@220V | 200W@110V	450W@220V | 225W@110V	450W@220V | 225W@110V
Installation type	Flush mounted in standard mechanism box	Flush mounted in standard mechanism box	Flush mounted in standard mechanism box	Flush mounted in standard mechanism box
Temperature range	0°C ,,, +55°C	0°C ,,, +55°C	0°C ,,, +55°C	0°C ,,, +55°C
Dimensions	86 x 86mm (width x height)	86 x 86mm (width x height)	86 x 86mm (width x height)	86 x 86mm (width x height)

	979.0003 | **MEC-103**	979.0005 | **MEC-200**	979.0004 | **MEC-300**	979.0008 | **HAA-001**
	TRIPLE SWITCH TOUCH BUTTONS	**BLIND/CURTAIN MOTOR CONTROL TOUCH BUTTONS**	**TYPE F SMART PLUG**	**RF REPEATER FOR HOME AUTOMATION**
Function (number of buttons)	Light control (3-capacitive technology)	Blind/curtain motor control (3-capacitive tech.)	Plug (1)	RF repeater
Materials (colour)	White tempered glass front panel	White tempered glass front panel	ABS (white)	ABS (black/white)
Communication	RF band 868MHz	RF band 868MHz	RF band 868MHz	RF band 868MHz - Ethernet
Power supply	110-240VAC 50Hz	110-240VAC 50Hz	220VAC 50Hz	5-13V dc
No. of circuits - Type of circuits	3 - ON-OFF	2 - ON-OFF	1 - ON-OFF	-
Power per circuit	450W@220V | 225W@110V	400W@220V | 200W@110V	3000W	-
Max. operation time:	-	5 minutes	-	-
Installation type	Flush mounted in standard mechanism box	Flush mounted in standard mechanism box	Flush mounted in standard mechanism box	Surface mounted
Temperature range	0°C ,,, +55°C	0°C ,,, +55°C	0°C ,,, +55°C	5°C ,,, +55°C
Dimensions	86 x 86mm (width x height)	86 x 86mm (width x height)	86 x 86mm (width x height)	170 x 115 x 29 mm

	WIRELESS SENSOR CONVERTER	**WIRELESS FLOOD SENSOR**	**WIRELESS SMOKE SENSOR**
	HAA-000 | 979.0007	WSN-200 | 979.0110	MSN-300 | 979.0112
Function (number of buttons)	Wireless sensor connection interface	Flood sensor	Smoke sensor / 1 (test)
Materials	ABS (white)	ABS (white)	ABS (white)
Communication	RF conversor from 433MHz to 868MHz	RF band 433MHz	RF band 433MHz
Alarm	–	Via RF, red led and buzzer	Via RF, red led and buzzer
Detection area	–	–	60 m²
Sound power	–	85 dB/3m	85 dB/3m
Fault indicator	–	Yellow Led	–
Power supply	110-220VAC 50/60Hz	3Vdc (2 AA batteries, 1,5V)	6F22 battery, 9Vdc
Installation type	Flush mounted in standard mechanism box	Surface mounted	Surface mounted
Temperature range	-10°C ,,, +55°C	0°C ,,, +60°C	-10°C ,,, +50°C
Dimensions	86 x 86 mm	89 x 89 x 28 mm	Ø128 x 38 mm

	PIR WIRELESS MOTION SENSOR	**DOOR/WINDOW WIRELESS SENSOR**
	WSN-400 | 979.0113	WSN-500 | 979.0109
Function (number of buttons)	PIR motion sensor / 1 (test)	Door-window sensor / 1 (test)
Materials (colour)	ABS (white)	ABS (white)
Communication	RF band 433MHz	RF band 433MHz
Alarm	Via RF	Via RF and red led
Distance / angle of detection	9-12 m / 110°	–
Power supply	6F22 battery, 9Vdc	AA battery, 1,5Vdc
Installation type	Surface mounted, adjustable	Surface mounted
Temperature range	-10°C ,,, +50°C	-10°C ,,, +50°C
Dimensions	106 x 62 x 46 mm	30 x 95 x 20 mm

DIAGRAM

IPAL KIT

9720163 | **KIP-00300**
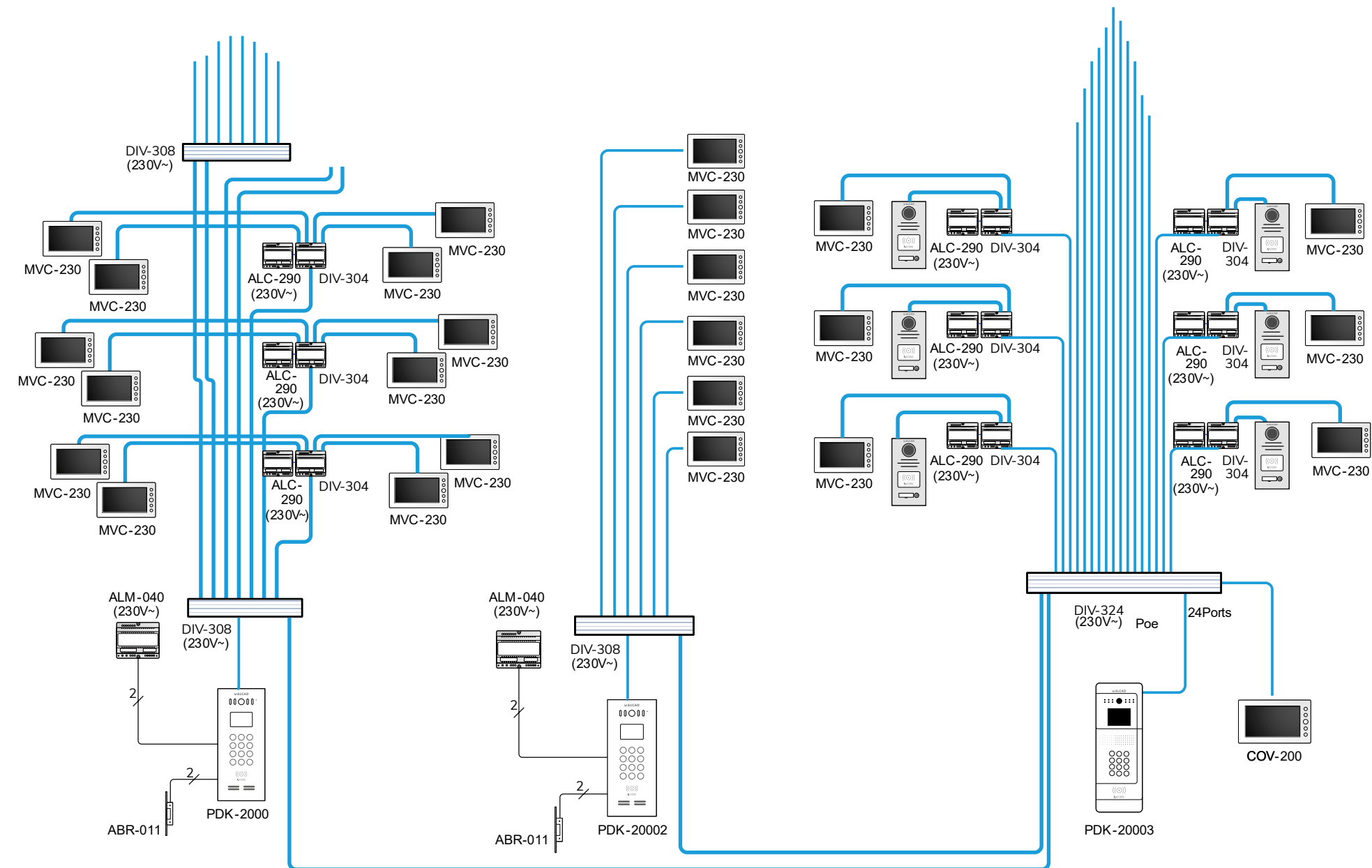
MAXIMUM PERFORMANCE IN SMALL INSTALLATIONS

The version for single-family homes by IPAL **includes everything you need for your start-up**: KABI7 7 "monitor with advanced Wi-Fi functions typical of the IP system and anti-vandal recessed entrance panel with a push button and integrated RFID access control.

The possibility of adding all the devices and sensors from the IPAL catalogue makes the kit an ideal option if you want to transform a small installation into a powerful intelligent home.

The KIT **includes:**

9800160 PDP-20011
1 push-button entrance panel
(with flush-mounted box)

9630074 MVC-230
IPAL KABI7" Wi-Fi white indoor unit

9740227 CME-020
IPAL 86x86 standard flush box

9730100 DIV-304
Tap-off switch (4 outputs)

9620023 ALC-290
48V DC 65,3 VA 100-240 VAC power supply

9690018 LAC-020
Set of 5 proximity keys for residents

AENOR
ER
Empresa
Registrada
UNE-EN ISO 9001

IQNet
MANAGEMENT SYSTEM
UNE-EN ISO 9001