

# Smart Intercom Catalogue

# Akuvox



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- Part of a \$1.6-Billion International Group

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# Akuvox



## Global Leading Innovator of Smart Intercom

Akuvox is a global leading provider of Smart Intercom products and solutions. We are committed to unleashing the power of technologies to improve people's lives with better communication, greater security and more convenience.

## Part of Star-net

Akuvox is part of Star-net, a \$1.6-billion international group which is a leading ICT solution provider in China.



Established in 1996



\$1.6 Billion Annual Revenue



4000+ R&D Engineers



70,000+ m<sup>2</sup> Manufacture Base

# Pioneer of Smart Intercom

Encompassing Artificial Intelligence, Cloud, Android, SIP, Security and other advanced technologies, Akuvox continuously drives breakthrough changes in the industry, and creatively delivers an unrivaled portfolio of smart intercom products and solutions, allowing more people to take advantage of smart living easily.



AI



Cloud



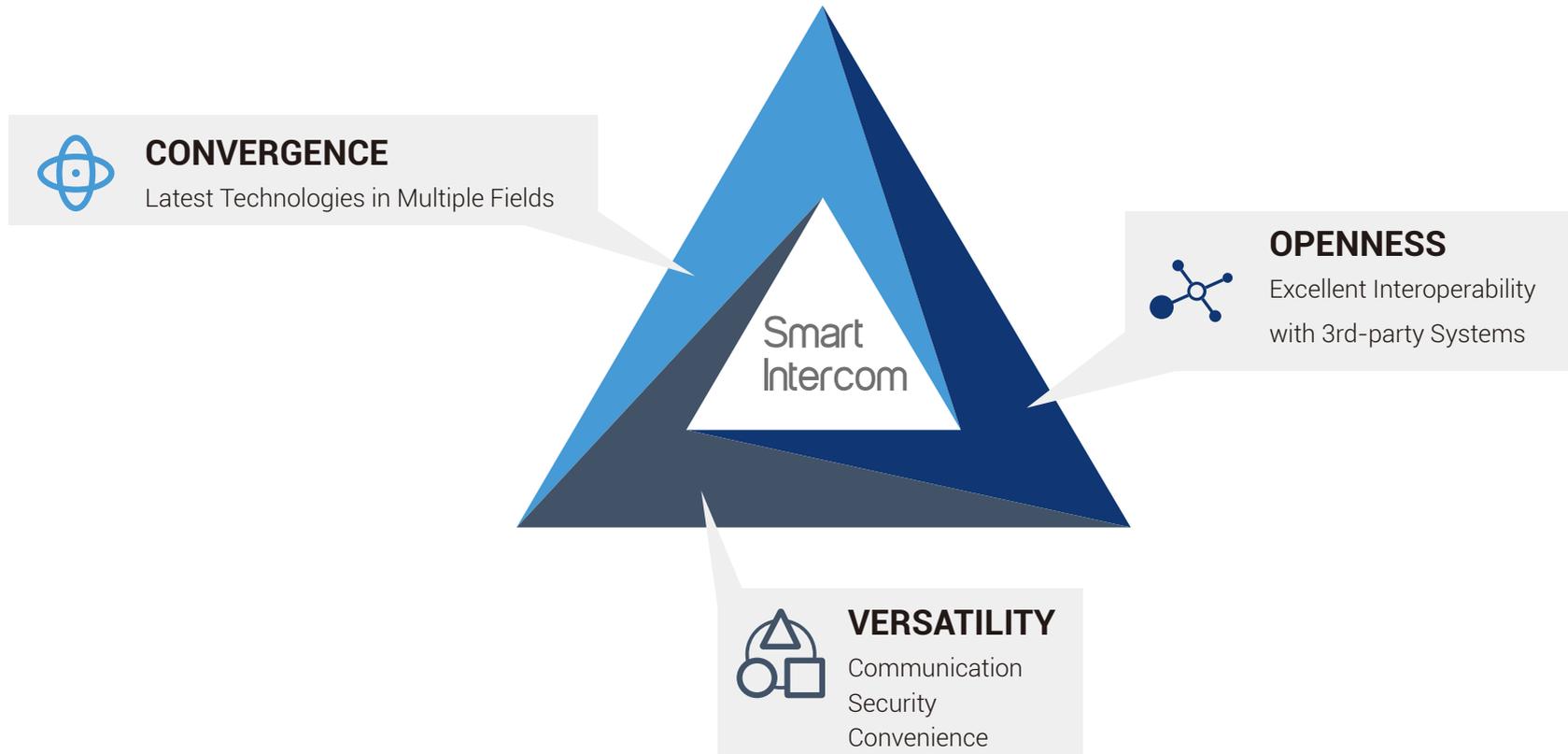
Android



SIP



Security



# Smart Intercom Technologies-AI

## Leading AI Technologies



### Facial recognition door entry

Your face is your identity. The underlying anti-spoofing liveness detection algorithm makes it hard to be fooled by photos or videos.



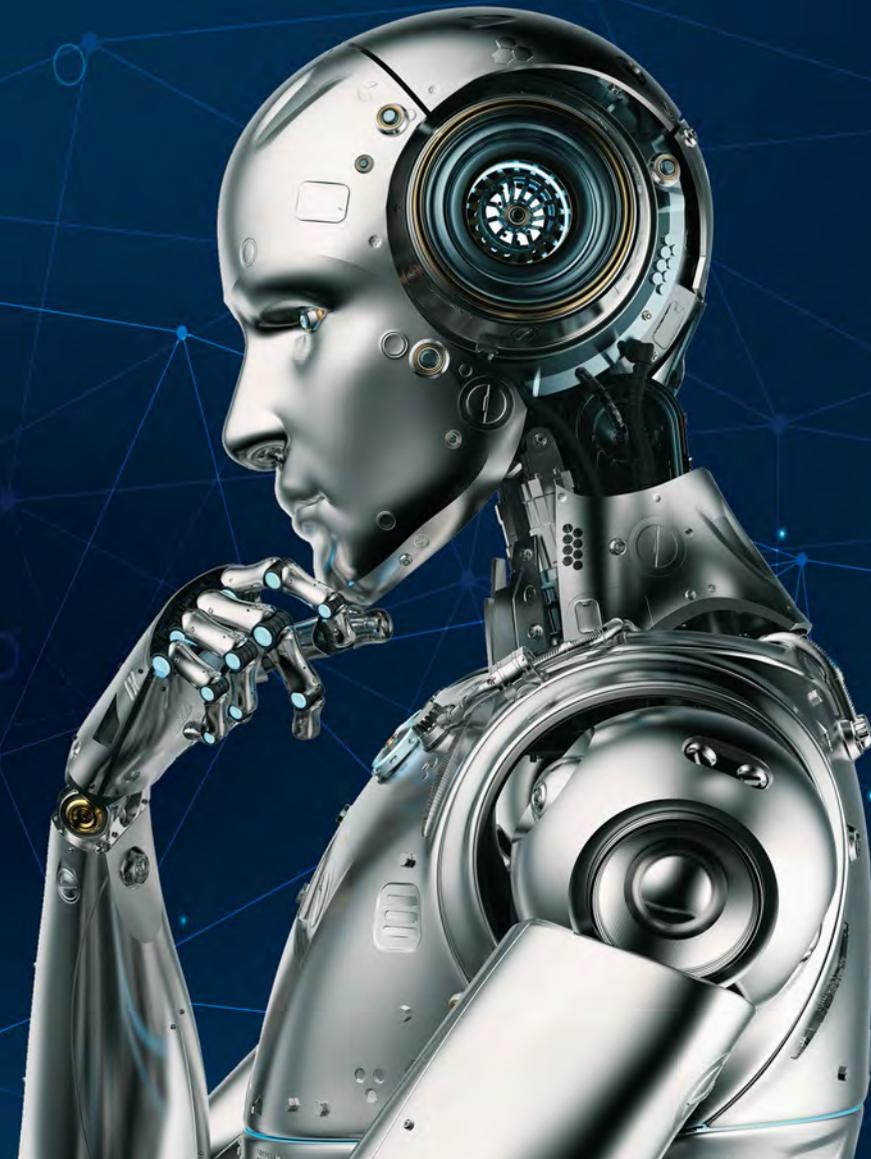
### Offline voice control

Use your voice to control indoor monitors. The voice data is processed directly on the device, which is faster and securer compared with an online method.



### Fall detection

Exploring the synergy of image recognition technique and neural network machine learning, Akuvox empowers intercoms to increase in-home safety for older people.



# Smart Intercom Technologies-Cloud

## Smart Cloud Intercom

### Easy-to-use intercom app for end users

- Video calling and remote door unlocking
- Video preview and live view
- Issue time-limited QR code keys and guest PINs
- Door unlocking via Bluetooth
- Offline push notification



### Productivity boost for property managers

- Manage all properties centrally and remotely from a web browser, for example creating new app accounts for residents
- Access to time-and-date stamped photos of all door entries
- Assign time-limited PINs to delivery people



# Smart Intercom Technologies-Android

## Home Automation Integration

The openness of Android enables Akuvox indoor monitors to integrate an application for automated home control. With only one screen, homeowners can enjoy both home automation services and intercom features.

The easy-to-navigate Android UI offers stellar user experience. It is also open to deep customization to meet bespoke requirements.

Akuvox smart intercom has been proven to be fully interoperable with top smart home brands, including Control4, Zipato, RTI, iRidium and Core. The list is ongoing.



# Smart Intercom Technologies-SIP & Security

## Better Communication

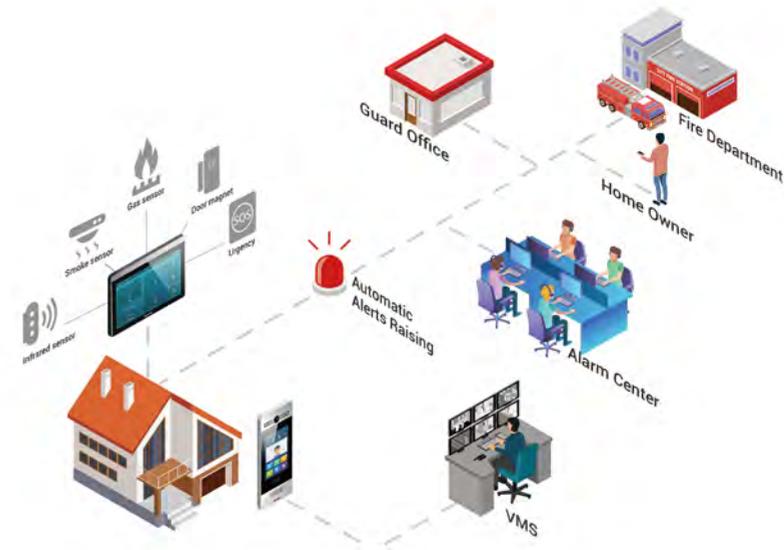
Akuvox intercom is based on SIP, a universal IP communication protocol, allowing to build a large communication system.

- Premium audio and video quality
- Communication between any SIP-supporting systems
- Work with mobile phones and landlines



## Greater Security

Smart intercom is able to not only connect with various alarm sensors like smoke detectors for greater home security, but also communicate and interact intelligently with common security systems, such as video surveillance and building alarm systems.



# Welcome to Smart Intercom Family



## Akuvox R29C

### World's First Facial Recognition Android Door Phone

- 7" capacitive touch screen working with gloves on
- Dual camera: one 120° wide-angle 3MP camera with IR and a second VGA 60° 5MP camera
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards
- Anti-cold version (-40 °C to 55 °C) available
- Support plasterboard installation



For wall mounting



For flush mounting





## Akuvox R28A

### SIP Video Door Phone with Numeric Keypad

- 4.3 " color TFT LCD
- Premium audio and video quality
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting
- Support multiple access control methods: NFC, 13.56MHz and 125kHz access cards
- Anti-cold (-40 °C to 55 °C)



For wall mounting



For flush mounting



## Akuvox R26B

### SIP Video Door Phone with Access Control

- Premium audio and video quality
- All-aluminum body
- Five buttons with name plate
- 116° wide-angle 2MP camera with automatic lighting
- Support 13.56MHz /125kHz access cards



For wall mounting



# Door Phone



## Akuvox R27A

### SIP Video Door Phone with Numeric Keypad

- Premium audio and video quality
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting
- Support multiple access control methods: NFC, 13.56MHz and 125kHz access cards
- Anti-cold version (-40 °C to 55 °C) available



## Akuvox R26C

### SIP Video Door Phone with Access Control

- Premium audio and video quality
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting
- Support 13.56MHz access cards



## Akuvox R26P

### SIP Video Door Phone

- Premium audio and video quality
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting



## Akuvox R20A

### Compact SIP Video Door Phone

- Premium audio and video quality
- 120° wide-angle 3MP camera with automatic lighting
- Support 13.56MHz and 125kHz access cards
- Ideal for environments with limited space





## Akuvox R23C

### SIP Door Phone with Access Control

- Premium audio quality
- All-aluminum body
- Support 13.56MHz access cards



## Akuvox R23P

### Simplest SIP Door Phone

- Premium audio quality
- All-aluminum body



## Akuvox E21V

### SIP Video Emergency Intercom

- Vandal-resistant with 316 grade stainless steel body
- Outdoor-rated with IP67 grade microphone and IP66 grade speaker
- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting



## Akuvox E21A

### SIP Emergency Intercom

- Vandal-resistant with 316 grade stainless steel body
- IK10 rating
- Outdoor-rated with IP67 grade microphone and IP66 grade speaker
- Premium audio quality



# Door Phone



Upcoming Door Phone

## Akuvox X916

World's First Android Door Phone with Starlight Camera

- 13" capacitive touch screen
- Dual camera
- Dual-microphone for noise reduction
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards



Upcoming Door Phone

## Akuvox R20K

Compact SIP Video Door Phone with Numeric Keypad

- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting
- Support 13.56MHz and 125kHz access cards
- Ideal for environments with limited space



Upcoming Door Phone

## Akuvox E11R

Compact SIP Video Door Phone

- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting
- Support 13.56MHz and 125kHz access cards
- Ideal for environments with limited space



## Akuvox IT83 / Akuvox C317

### Android Indoor Monitor for Smart Home Solution

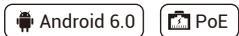
- 10" touch screen with 1280 x 800 resolution
- 8 channel inputs and 2 embedded relays
- Support 3rd-party apps
- Optional 1MP camera
- Optional built-in SIP PBX function
- Desktop mount available



For wall mounting



Optional desktop stand





## Akuvox C312A

### Touchscreen Audio Indoor Monitor

- Touchscreen numerical keypad
- 2.23" OLED display
- Built-in Wi-Fi (2.4GHz, IEEE802.11 b/g/n)
- Built-in Bluetooth V4.2(HS)
- Doorbell button support
- Magnetic bracket installation



For wall mounting





# Akuvox IT82



## Android Indoor Monitor for Smart Home Solution

- 7" touch screen with 1024 x 600 resolution
- 5 programmable pushbuttons
- 8 channel inputs and 1 embedded relay
- Support 3rd-party apps
- Optional 1MP camera
- Optional RF 433/869 application



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# Akuvox C315

## Android Indoor Monitor for Smart Home Solution

- 7" touch screen with 1024 x 600 resolution
- 8 channel inputs and 1 embedded relay
- Support 3rd-party apps
- White color housing available
- Optional RF 433/869 application



# Akuvox C313

## Budget-friendly Indoor Monitor

- 7" touch screen with 800 x 480 resolution
- 8 channel inputs and 1 embedded relay
- White color housing available
- Optional RF 433/869 application



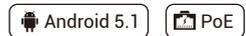
# Android IP Video Phone



## Akuvox R48G

### Android IP Video Phone

- 7" touch screen with 1024 x 600 resolution
- Premium audio and video quality
- DTMF for remote door opening
- 2MP camera with privacy shutter
- Built-in Bluetooth, USB and Wi-Fi
- Support 3rd-party apps





## Akuvox SmartPlus

### Cloud-based Intercom App

- Video calling and remote door unlocking
- Video preview and live view
- Issue time-limited QR code keys and guest PINs
- Door unlocking via Bluetooth
- Offline push notification



## Akuvox Vfone

### SIP Softphone App for Intercom

- Audio/video calling
- Remote door unlocking
- Offline push notification
- Compatible with mainstream SIP servers



## Akuvox SDMC

### On-premise Software for Community-wide Intercom System Management

- Batch deployment of devices automatically
- Real-time video monitoring
- Access control management
- Messaging and ad pushing



## Akuvox FacePro

### PC-based Software for Facial Data Management

- Automatic R29C device search and connection
- Facial image import or facial data capture
- Addition, modification and deletion of facial data for R29C
- Facial data syncing between R29C and the software
- One-click facial data sharing between different R29Cs



## Akuvox Sight

### PC-based SIP Softphone for Akuvox Intercom

- Stream video from multiple intercom cameras
- Remote door unlocking
- Video communication with intercom

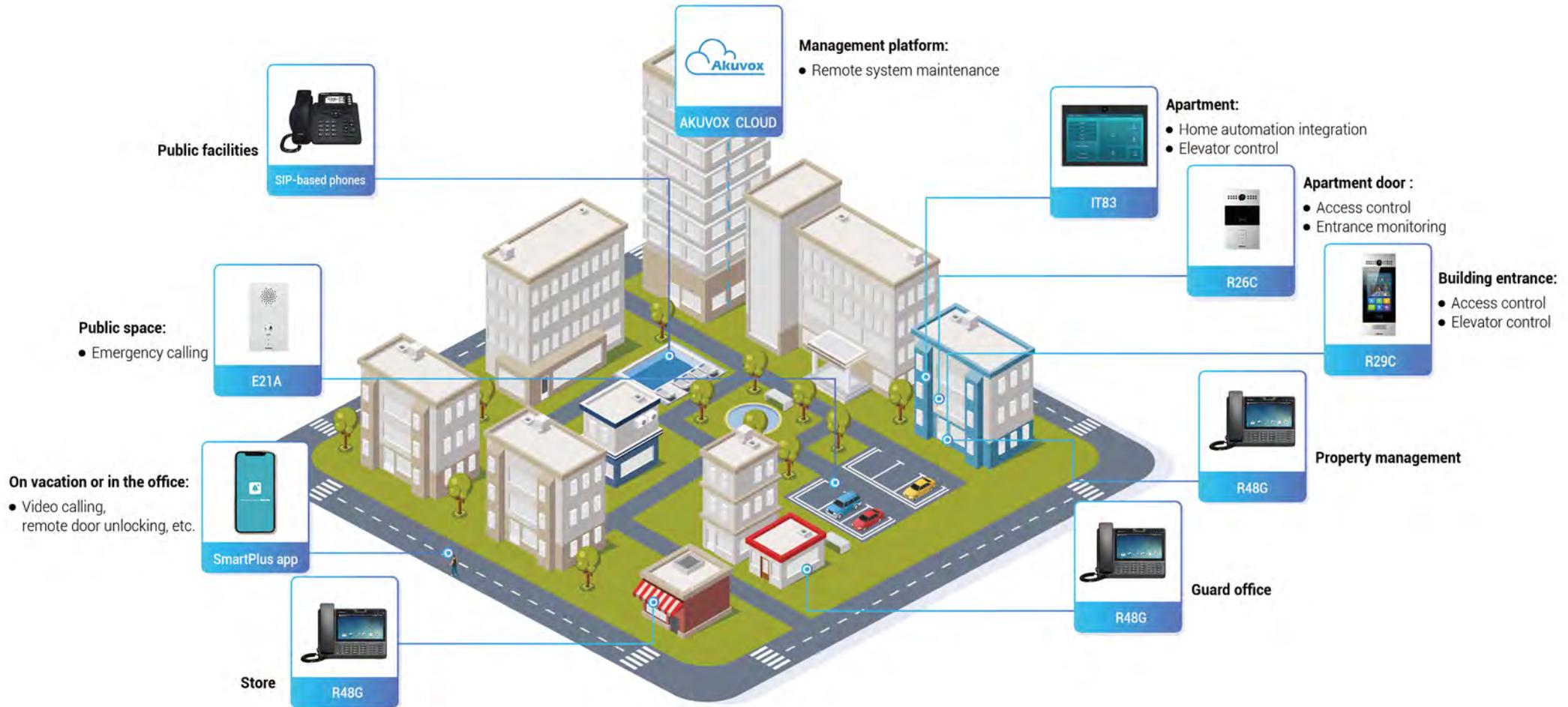
# Smart Intercom Solution for RESIDENTIAL

As the standard of living improves, there are higher security and convenience requirements for modern residential living. This has posed new challenges to traditional intercom, which are monofunctional and antiquated, or simply don't function.

## Highlights of Akuvox Smart Intercom Solution

- Build a large community-wide communication system
- Work with mobile phones and landlines
- Integrate home automation systems, video surveillance systems and property management systems
- Control elevator to allow visitors to access the authorized floor only or send the elevator to a desired floor
- App-based features, including video calling, remote door unlocking, alarm push notifications and messages from the property management
- Remote system maintenance via a web browser

# Solution Overview



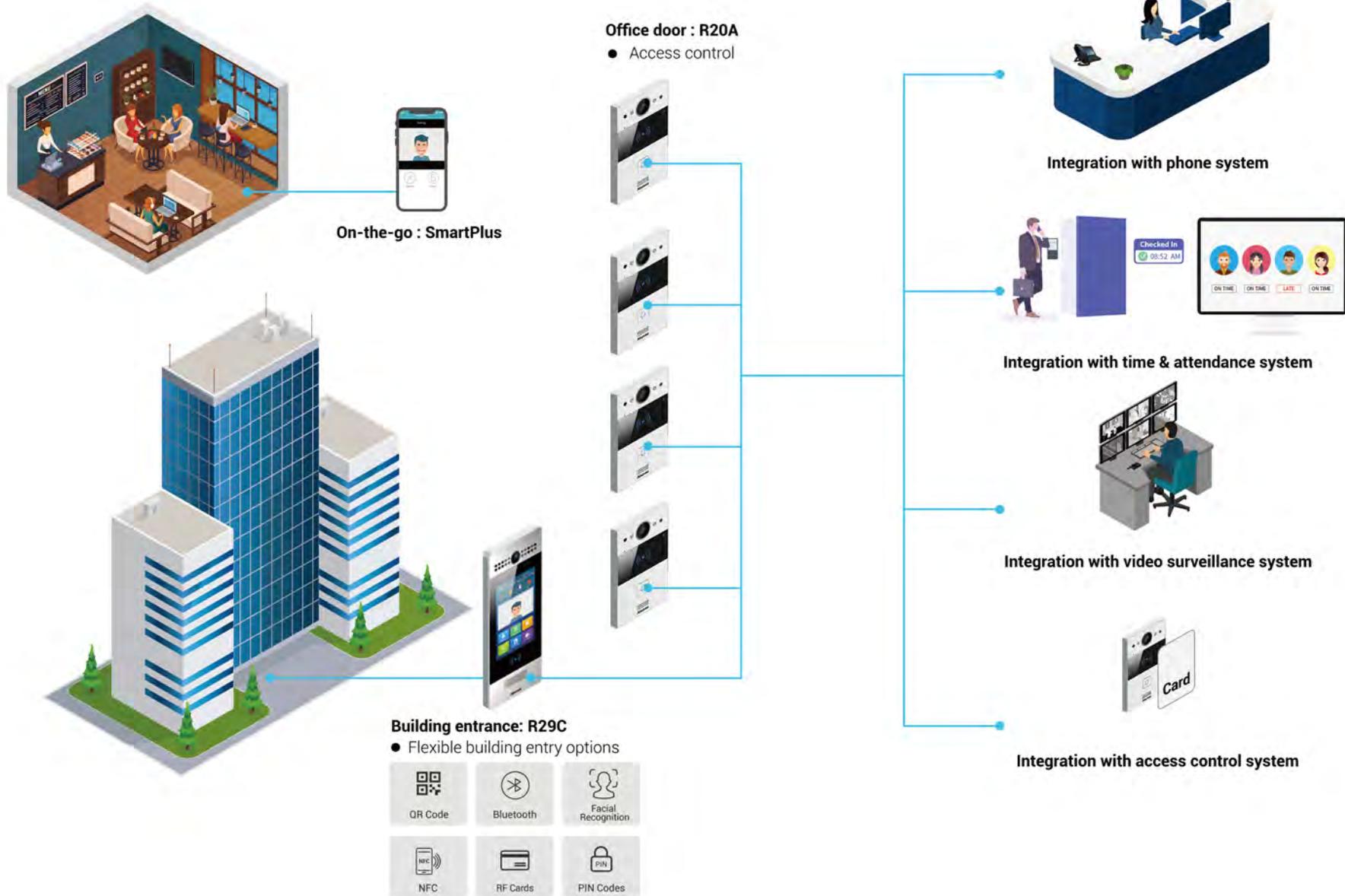
# Smart Intercom Solution for COMMERCIAL

Due to rapid changes in the global economy, enterprises need to overcome more business challenges such as improving competitiveness, reducing costs and enhancing productivity. With the objective of maximizing the potential growth of a business by integrating people and technology, the intercom technology has come into play.

## Highlights of Akuvox Smart Intercom Solution

- Flexible door entry options including facial recognition, NFC, RF cards and PIN codes
- Integrate access control systems, telephone systems, video surveillance systems and time & attendance systems
- Mobile app for business communication on the go

# Solution Overview



# Smart Intercom Solution

## for CARE HOME

As the worldwide population ages, the healthcare system of every country faces significant challenges. Safety, trust and security are the key contributing factors to the health and wellbeing of older people, whether in their own homes or being taken care of in a care home.

## Highlights of Akuvox Smart Intercom Solution

- Converge latest technologies, including SIP, Android and AI
- Easy-to-use system specially designed for older people
- 100% transmission of SOS signal to service centers with < 10 seconds SOS signal delay
- Telecare pendant for making emergency calls and unlocking doors remotely via RF
- Connect with various alarm sensors, such as door magnet and smoke detector, for greater home security
- Remote operation and maintenance of a large number of devices
- Easy to upgrade the system with new features

# Solution Overview

## Seek Help in an Emergency

Christina,  
help, help, help!



Use the voice to issue an emergency call



Use a telecare pendant to make an emergency call



Automatic alerts raising when an alarm sensor is activated

Akuvox indoor monitor



24-hour service center

Designated family members

## Convenience for Daily Life



Use a telecare pendant to unlock doors for visitors remotely



Answer the call from a door phone remotely via a Bluetooth speaker

# Smart Intercom Solution for PUBLIC SAFETY

With terrorism and violence on the rise, the issue of safety, security and real-time information gains significance. To protect people, assets and property in the public space, there is an urgent need for advanced intercom technologies to react to situations in progress and manage everyday operations, public events, and emergency situations.

## Highlights of Akuvox Smart Intercom Solution

- Premium speech quality in any situation
- Vandal-resistant body with IK10 rating
- Integrate with video surveillance systems
- Direct communication line to alarm centers or security guards on patrol

# Solution Overview

## Alarm center: R48G

- Video communication
- Video surveillance



## Roaming guard with mobile app



## Public space: E21V

- Emergency calling

# Accessories

Model	X916	R29C	R28A	R27A	R26B	R26C	R26P	R23C	R23P	R20A	R20K	E11R	E21V	E21A	IT83	C317	IT82	C315	C313	C312	R48G	
Image																						
Wall Mounting	Coming soon										Coming soon	Coming soon										
Flush Mounting	Coming soon									Coming soon	Coming soon											
Optional Desktop Stand																						

# Accessories

# Selection Guide

# Selection Guide

Model	X916	R29C	R28A	R27A	R26B	R26C	R26P	R23C	R23P	R20A	R20K	E11R	E21V	E21A	IT83	C317	IT82	C315	C313	C312	R48G
Image																					
Display	13"	7"	4.3"	128 x 32 dots	No	10"	10"	7"	7"	7"	2.3"	7"									
Touch Screen	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Yes						
Housing Material	Stainless steel	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum alloy	Aluminum alloy	Plastics	Stainless steel	Stainless steel	Aluminum	Plastics	Aluminum	Plastics	Plastics	Plastics	Plastics
PoE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating System	Android	Android	Linux	Linux	Linux	Linux	Linux	Linux	Linux	Linux	Linux	Linux	Linux	Linux	Android	Android	Android	Android	Linux	Linux	Android
Camera	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Optional	Optional	Optional	No	No	No	Yes
ONVIF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	-	-	-	-	-	-	-
Wi-Fi	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Optional	Optional	Optional	Optional	Optional	Optional	Yes
PIN / Card Entry	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No	No	-	-	-	-	-	-	-
Biometric Access	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	-	-	-	-	-	-	-
Wiegand	Yes	Yes	Yes	Yes	No	-	-	-	-	-	-	-									
IP Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	-	IP65	IP65	For indoor						
3rd-party Apps	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	Yes

# Open A Smart World



## Akuvox



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