

# Smart Intercom Catalogue

# Akuvox



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- Part of a \$1.6-Billion International Group

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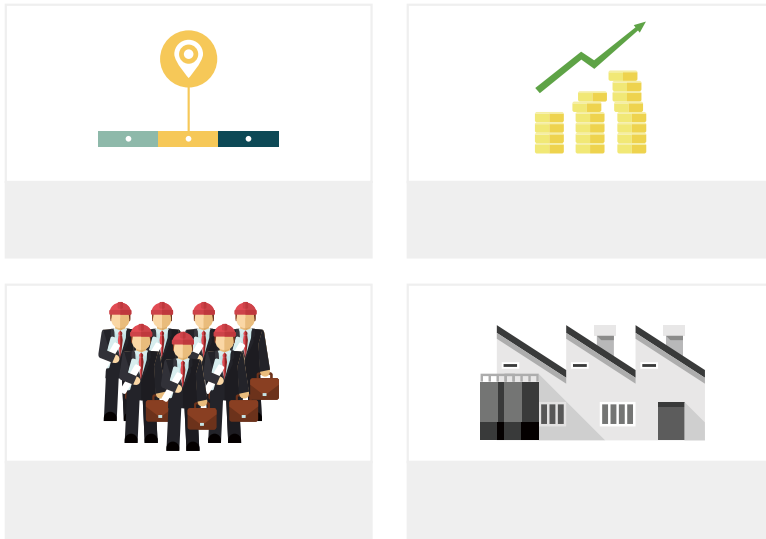
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# Global Leading Innovator of Smart Intercom

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.



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# Pioneers of Smart Intercoms

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.



# Smart Intercom Technologies - AI



## 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 the old or infirm.



# Smart Intercom Technologies - Cloud

## Smart Cloud Intercom

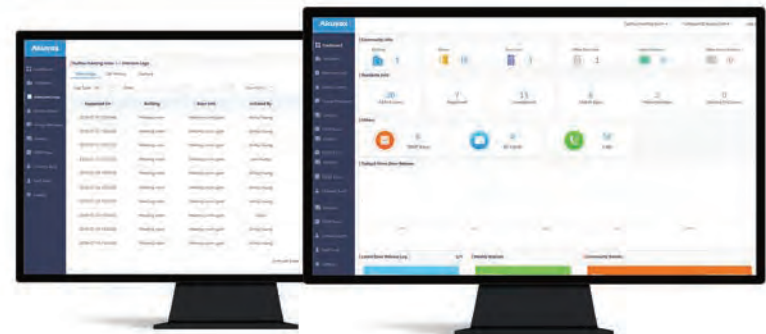
Easy-to-use intercom app for end users

- 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 with a wide range of automated home control platforms. With only one screen, homeowners can enjoy both home automation services and intercom features.

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

Akuvox smart intercoms have been proven to be fully interoperable with leading smart home brands including Control4, Zipato, RTI, iRidium and Core. And the list continues to grow...



# Smart Intercom Technologies - SIP & Security

## Better Communication

Akuvox intercoms are based on SIP, a universal IP communication protocol, which allows seamless creation of large communication systems.

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



## Greater Security

Akuvox Smart Intercoms 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.





# Introducing the Akuvox Smart Intercom range





## Akuvox R29C

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

→ **ORDER CODES:** R29C - Silver | R29CB - Black

The Akuvox R29C SIP Touchscreen Intercom is one of the most advanced, smart IP door intercom devices on today's market.

Featuring a high-impact touchscreen interface with intuitive Android-based user interface, this smart door phone device offers a wide range of authentication options for door intercom and access control systems.

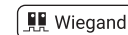
- 7" capacitive touch screen user interface
- Dual cameras: one 120° wide-angle 3MP camera with IR and a second VGA 60° angle 5MP camera
- Supports multiple access control methods:
  - Face Recognition
  - Touchscreen Keypad
  - Touchscreen Digital Phonebook
  - NFC, RFID & Bluetooth Contactless via Smartphone, ID card or keyfob
  - QR Code scanning (eg. for limited time access)



↑ P/N: R29XS  
Surface-mounting Backbox  
(Sold Separately)



↑ P/N: R29XF  
Flush-mounting Backbox  
(Sold Separately)



## Akuvox R28A

### SIP Video Door Phone with LCD Display & Numeric Keypad

The Akuvox R28A is a SIP-enabled IP Intercom featuring integrated colour camera, colour display screen, RFID card reader and numeric keypad. This latest generation IP Intercom uses H.265 codec for high quality, bandwidth-efficient video transmission.

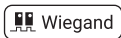
- Premium audio and video quality (H.265 codec)
- 4.3" colour LCD Display Screen
- Vandal-resistant all-aluminium body
- 120° wide-angle 2MP camera with automatic lighting
- Supports multiple access control methods: NFC, RFID, Bluetooth, digital phonebook, keypad
- Anti-cold (-40°C to 55°C)



↑ P/N: R27XS  
Surface-mounting Backbox  
(Sold Separately)



↑ P/N: R27XF  
Flush-mounting Backbox  
(Sold Separately)





## Akuvox R26B

### SIP Video Door Phone with Access Control

The Akuvox R26B SIP-enabled Intercom features video camera, audio, RFID card reader and 5 call buttons.

- Premium audio and video quality (H.264 codec)
- All-aluminum body
- Five call buttons with name plates
- 116° wide-angle 2MP camera with automatic lighting
- Supports 13.56MHz /125kHz access cards

→ Supplied with surface-mounting Backbox



## Akuvox R27A

### SIP Video Door Phone with Numeric Keypad

The Akuvox R27A Door Intercom includes keypad for code-controlled access or communication with additional SIP devices on the network. It also features contactless RFID card reader for secure authentication and access via contactless card or keyfob.

- Premium audio and video quality (H.264 codec)
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting
- Support multiple access control methods: Numeric keypad, NFC, 13.56MHz and 125kHz access cards
- Anti-cold version (-40 ℃ to 55 ℃) available



← P/N: R27XS  
Surface-mounting  
Backbox  
(Sold Separately)



← P/N: R27XF  
Flush-mounting  
Backbox  
(Sold Separately)



## Akuvox R26C

### SIP Video Door Phone with Access Control

The Akuvox R26C SIP IP Video Doorphone is a modern designed IP Door Intercom featuring single call button, RFID card reader, colour camera and integrated microphone.

- Premium audio and video quality (H.264 codec)
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting
- Support 13.56MHz access cards
- Single call button



→ Supplied with surface-mounting Backbox  
→ Supplied with flush-mounting Backbox

## Akuvox R26P

### SIP Video Door Phone

→ **ORDER CODES:** R26PS - Surface-mount | R26PF - Flush-mount

The R26P SIP IP Video Doorphone with single call button, integrated colour camera and microphone.

- Premium audio and video quality (H.264 codec)
- All-aluminum body
- 116° wide-angle 2MP camera with automatic lighting
- Single call button



→ Supplied with surface-mounting Backbox  
→ Supplied with flush-mounting Backbox

## Akuvox R20A

### Compact SIP Video Door Phone

→ **ORDER CODES:** R20AS - Surface-mount | R20AF - Flush-mount

The R20A SIP Intercom is a highly-compact, single call button, IP-connected Door Intercom, featuring high resolution colour camera and RFID card reader.

- Premium audio and video quality (H.264 codec)
- 120° wide-angle 3MP camera with automatic lighting
- Supports 13.56MHz and 125kHz access cards
- Ideal for environments with limited space
- Single call button



→ Supplied with surface-mounting Backbox  
→ Supplied with flush-mounting Backbox

# Door Phone



## Akuvox R23C

### SIP Door Phone with Access Control

SIP-enabled door entry unit featuring single call button, RFID card reader and high quality audio for two-way communication.

- Premium audio quality
- All-aluminum body
- Support 13.56MHz access cards
- Single call button
- Supplied with surface-mount Backbox



## Akuvox R23P

### Simplest SIP Door Phone

SIP-enabled door entry unit featuring single call button and high quality audio for two-way communication.

- Premium audio quality
- All-aluminum body
- Single call button
- Supplied with surface-mount Backbox

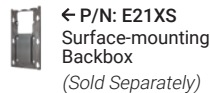


## Akuvox E21V

### SIP Video Vandal-resistant Intercom

The Akuvox E21V is a vandal-resistant IP Intercom built using high-grade stainless steel body for increased protection in public-access areas. This robust door intercom features single call button, colour camera and audio communication.

- 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
- Single call button

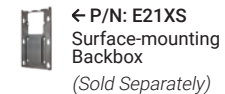


## Akuvox E21A

### SIP Vandal-resistant Intercom

The E21A is a vandal-resistant IP Intercom built using high-grade stainless steel body for increased protection in public-access areas. Audio-only with a single call button.

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





## Akuvox X916S new product

### Touchscreen Smart Video Intercom with Face Recognition

The new X916S is a high-profile touchscreen smart intercom panel featuring a range of authentication options including secure face recognition, digital phonebook, digital keypad and contactless NFC & RFID.

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



## Akuvox R20K new product

### Compact SIP Video Door Phone with Numeric Keypad

Compact SIP-enabled door entry unit featuring colour camera, numeric keypad and contactless RFID card reader.

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



## Akuvox E11R new product

### Compact SIP Video Door Phone

Finished in black, this new compact SIP-enabled video doorphone features colour camera, single call button and RFID card reader.

- 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



→ P/N: R20KS Supplied with surface-mounting Backbox  
→ P/N: R20KF Supplied with flush-mounting Backbox



→ Supplied with flush-mounting Backbox



## Akuvox IT83 / Akuvox C317

### 10" SIP Indoor Touchscreen Intercom Panels

The Akuvox IT83 and C317 models are luxury door access/communication intercoms featuring 10" full colour touchscreens.

These multi-functional touchscreen door entry panels use the Android operating system and are ideal for apartment/MDU intercom systems.

- 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

#### ORDER CODES:

- **IT83A** - 10" Touchscreen Intercom with WiFi, Bluetooth, SIP PBX (Aluminium)
- **IT83C** - 10" Touchscreen Intercom with Camera, SIP PBX (Aluminium)
- **IT83W** - 10" Touchscreen Intercom with Camera, WiFi, Bluetooth, SIP PBX (Aluminium)
- **C317S** - 10" Touchscreen Intercom (ABS Plastic)
- **C317W** - 10" Touchscreen Intercom with WiFi & Bluetooth (ABS Plastic)



For wall mounting



Optional desktop stand





# Akuvox C312A

## Indoor SIP Audio-only Intercom Answering Device

The Akuvox C312A is a cost-effective audio-only door intercom device for use as part of a remote communication and door entry system.

Featuring Wifi and Bluetooth for wireless LAN and third party device connectivity, this discreet and stylish intercom panel is designed for indoor use as part of a door entry / access system.

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

**ORDER CODES:**

→ C312A-B - Black

→ C312A-W - White

→ Supplied with magnetic, surface-mount bracket





## Akuvox X7HD

### Android Indoor Monitor for Smart Home Solutions

→ **ORDER CODES: X7HD | X7HDW** - incl. WiFi & Bluetooth

Providing high quality audio and HD video communication for door intercom and door phone systems via SIP 2.0 protocol, the X7HD is ideal for residential/MDU door entry. This IP-connected door answering panel provides the ultimate touch-screen experience in an unobtrusive, space-saving design featuring 7" HD, capacitive touchscreen display.

- 7" capacitive touch screen with optional WiFi & Bluetooth
- Luxury door entry/communication touch screen
- Android operating system; simple to use, control and configure
- High definition view of visitors at the door
- Remote door unlocking
- Receive video and audio from connected indoor/outdoor Access/Intercom Terminals
- Compatible with Telecare Pendant (*see page 24*) - *optional*



## Akuvox R48G

### Android IP Video Phone for business communication and intercom

The R48G SIP-based Gigabit Android IP Video Phone combines telephone with touchscreen interface - ideal for business communications and as an Intercom Answering Device.

- 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
- Supports 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 Sight

PC-based SIP Softphone for Akuvox Intercom

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



## 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 Vfone

SIP Softphone App for Intercom

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



## 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



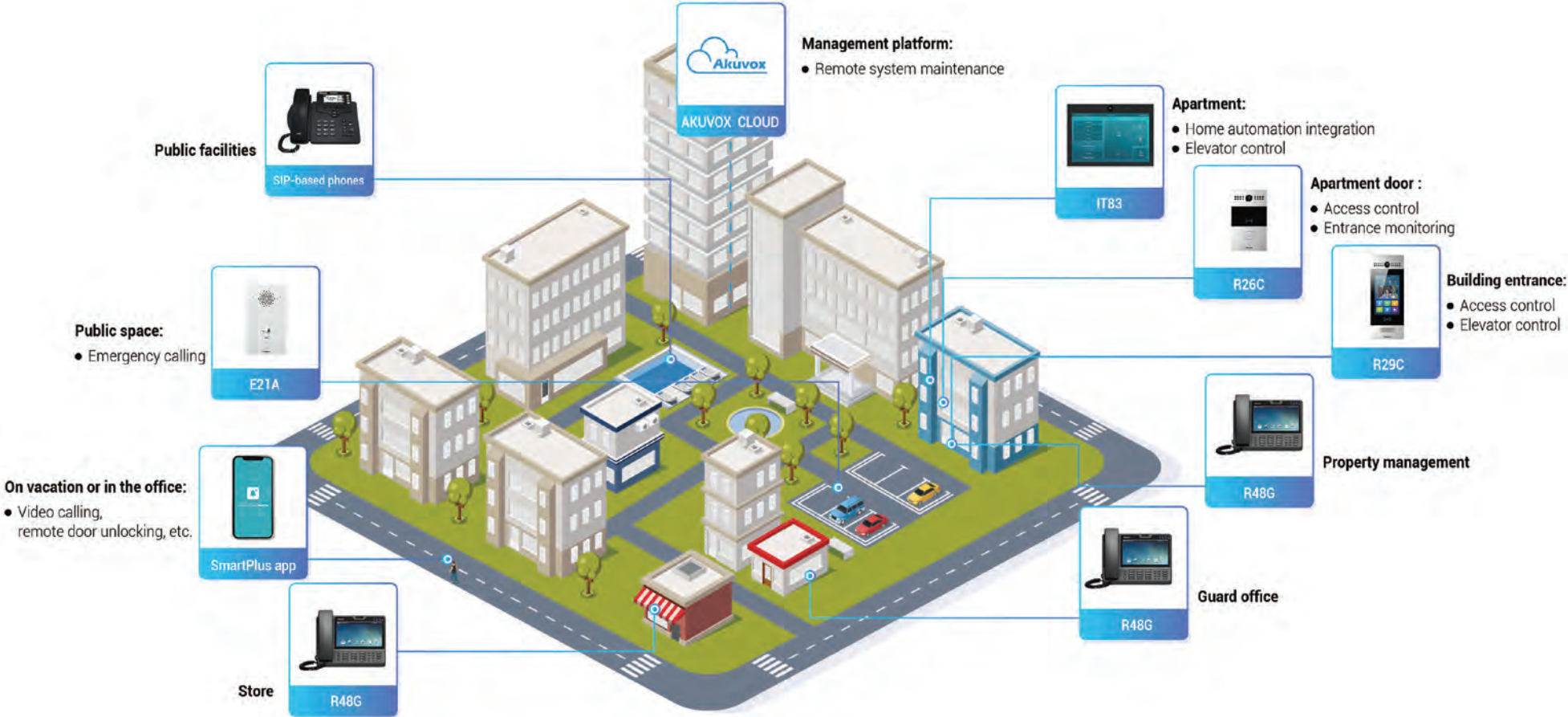
# Smart Intercom Solutions for RESIDENTIAL

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

## Highlights of Akuvox Smart Intercom Solutions

- Build a large, community-wide communication system
- Works with mobile phones and landlines
- Integrate home automation systems, video surveillance systems and property management systems
- Control elevators 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 system
- Remote system maintenance via web browser

# Solution Overview





# Smart Intercom Solutions

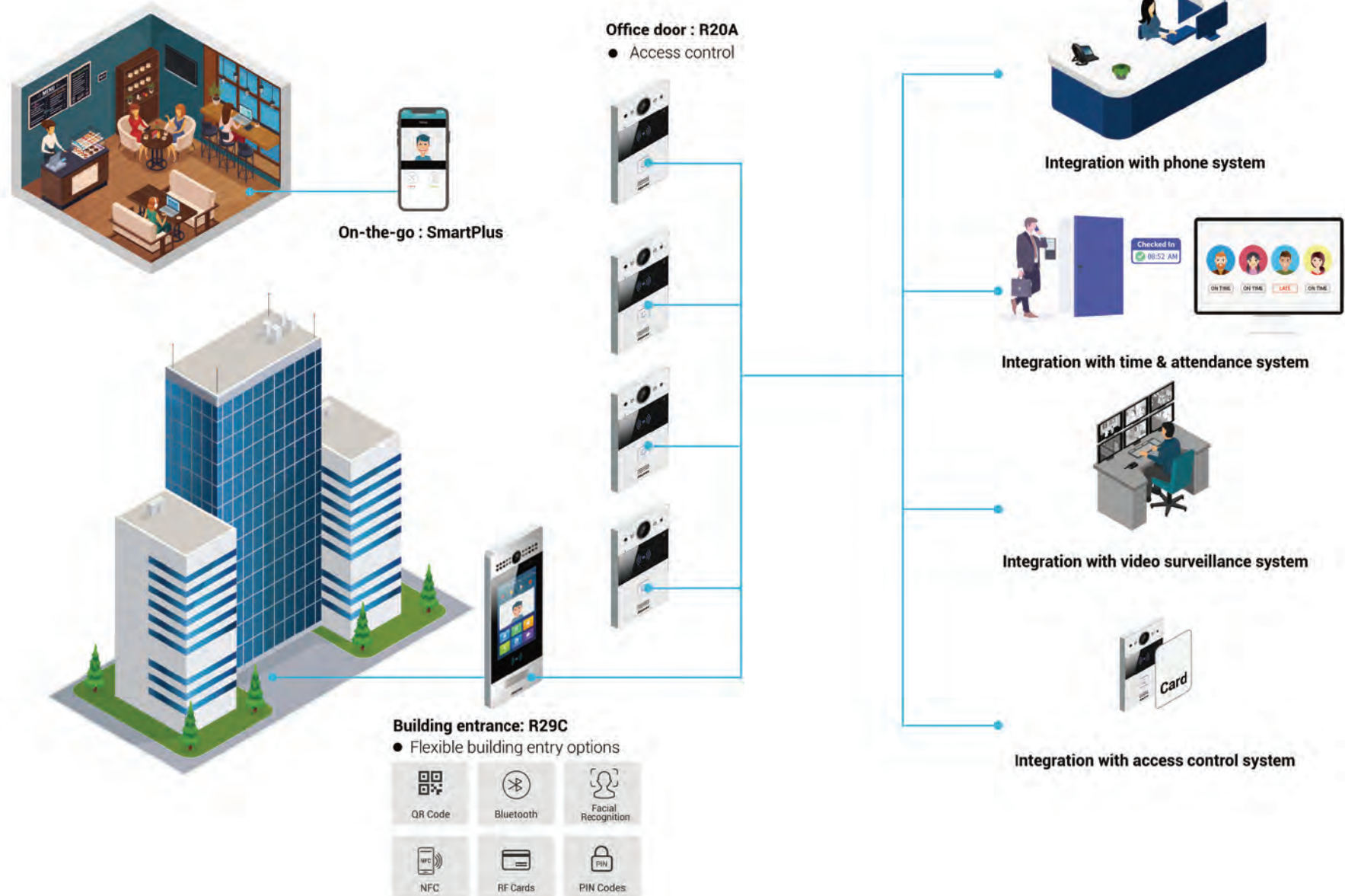
## for COMMERCIAL

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 Solutions

- Flexible door entry options including face recognition, NFC, Bluetooth & RFID contactless 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 Solutions for CARE HOMES

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 Solutions

- Converge latest technologies, including SIP, Android and AI
- Easy-to-use system specially designed for elderly or infirm
- 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

### Telecare Pendant

The Akuvox Telecare Call Pendant allows users to remotely make an emergency call to a designated number.





## Seek Help in an Emergency

Christina,  
help, help, help!



Use 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 Solutions 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	X916S	R29C	R28A	R27A	R26B	R26C	R26P	R23C	R23P
Image									
Wall Mounting	Coming soon								
Flush Mounting	Coming soon								
Optional Desktop Stand									

R20A	R20K	E11R	E21V	E21A	IT83	C317	X7HD	C312	R48G
									
	Coming soon	Coming soon	Coming soon	Coming soon					
Coming soon	Coming soon								
									

# Selection Guide

Model	X916S	R29C	R28A	R27A	R26B	R26C	R26P	R23C	R23P
Image									
Display	13"	7"	4.3"	128 x 32 dots	-	-	-	-	-
Touch Screen	Yes	Yes	-	-	-	-	-	-	-
Housing Material	Stainless Steel	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
PoE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating System	Android	Android	Linux	Linux	Linux	Linux	Linux	Linux	Linux
Camera	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
ONVIF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
Wi-Fi	-	-	-	-	-	-	-	-	-
PIN / Card Entry	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-
Biometric Access	Yes	Yes	-	-	-	-	-	-	-
Wiegand	Yes	Yes	Yes	Yes	-	-	-	-	-
IP Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
3rd-party Apps	Yes	Yes	-	-	-	-	-	-	-

# Selection Guide

R20A	R20K	E11R	E21V	E21A	IT83	C317	X7HD	C312	R48G
									
-	-	-	-	-	10"	10"	7"	2.3"	7"
-	-	-	-	-	Yes	Yes	Yes	-	Yes
Aluminium Alloy	Aluminium Alloy	Plastic	Stainless Steel	Stainless Steel	Aluminium	Plastic	Plastic	Plastic	Plastic
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Linux	Linux	Linux	Linux	Linux	Android	Android	Android	Linux	Android
Yes	Yes	Yes	Yes	-	Optional	Optional	-	-	Yes
Yes	Yes	Yes	Yes	-	-	-	-	-	-
-	-	-	-	-	Optional	Optional	Optional	Optional	Yes
Yes	Yes	Yes	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
IP65	IP65	-	IP65	IP65	For Indoor	For Indoor	For Indoor	For Indoor	For Indoor
-	-	-	-	-	Yes	Yes	Yes	-	Yes

# Akuvox

Open A Smart World

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