Smart Intercom
Catalogue

Akuvox

CONTENTS

The Company — *01*

- Global Leading Innovator of Smart Intercom
- Part of a $1.6-Billion International Group

Pioneer of Smart Intercom — *02*

- Why Smart Intercom
- Smart Intercom Technologies

Smart Intercom Products — *07*

- Doorphone
- Indoor Monitor
- Android IP Video Phone
- Software

Smart Intercom Solutions — *21*

- Residential
- Commercial
- Assisted Care & Hospital
- Public Space

Accessories — *29*

- Overview of Mounting Accessories

Selection Guide — *31*

- Overview of Key Product Features

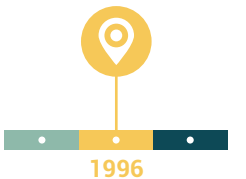
Akuvox

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

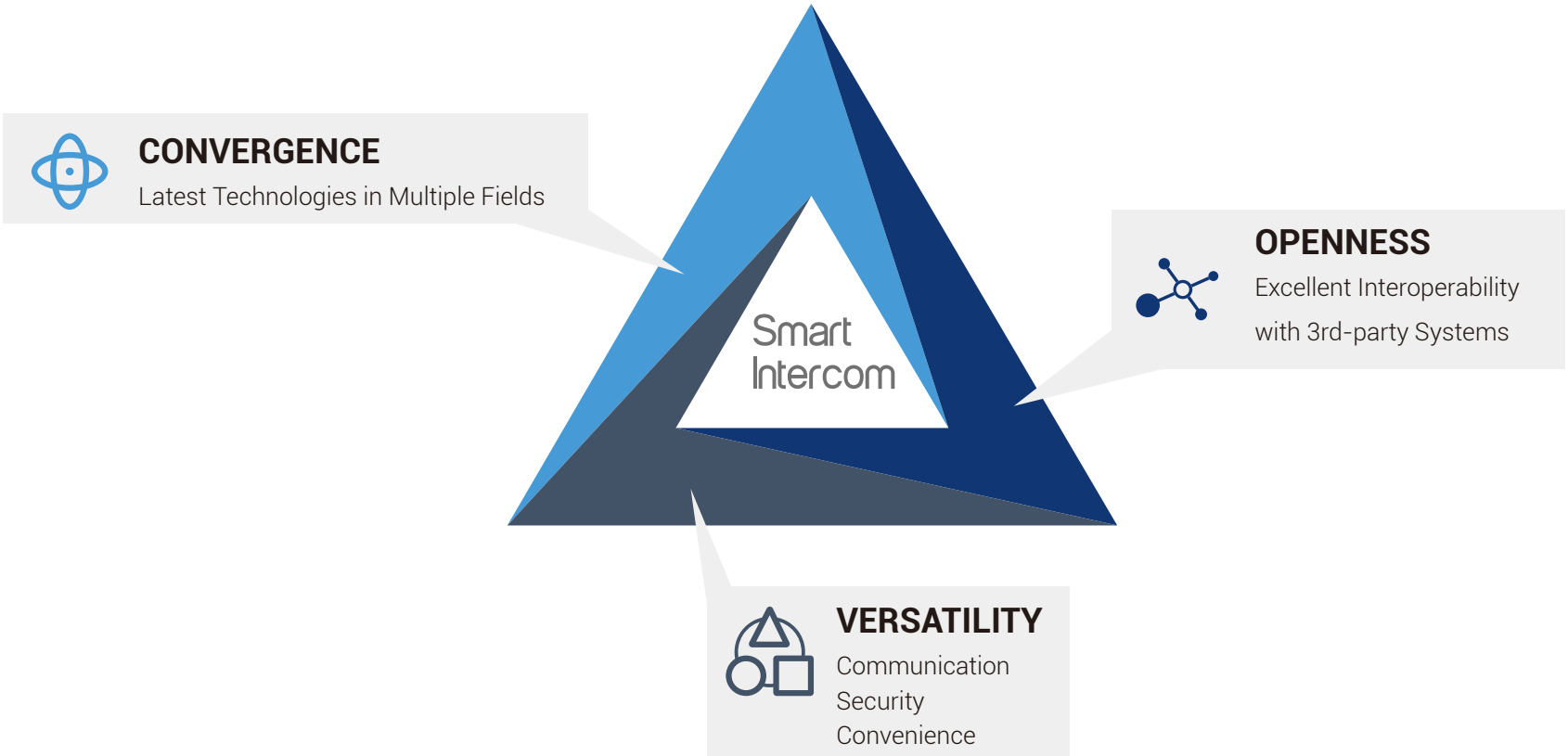
4000+ R&D Engineers

70,000+ m^2 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 are 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

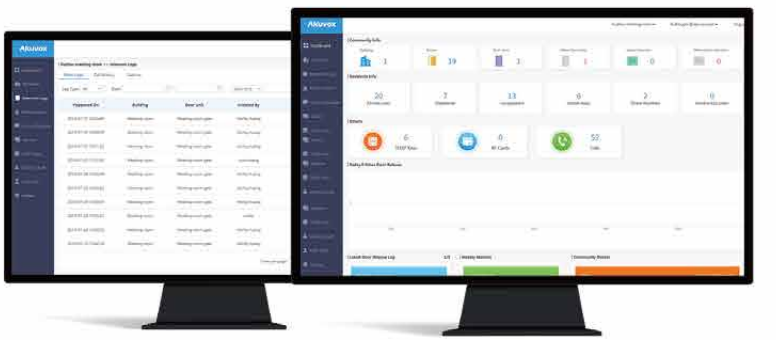
Smart Intercom as a Service (SIaaS)

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 great user experience. It is also open to deep customization to meet diverse requirements.

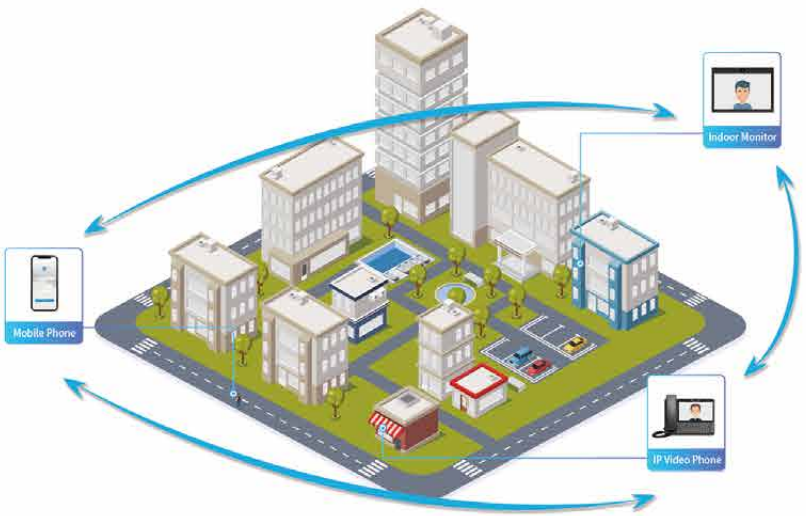
Akuvox smart intercom has been proven to be fully interoperable with top home automation brands, including Control4, Zipato, RTI, iRidium, Core and LifeSmart. The list is ongoing.

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 including video surveillance, VMS and building alarm systems.

Welcome to Smart Intercom Family

Akuvox R29C

World's First Facial Recognition Android Doorphone

- 7" capacitive touch screen supporting glove mode
- Aluminum panel
- Dual camera: one 120° wide-angle 3MP camera with IR and an auxiliary 5MP camera
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards
- Anti-cold version (-40 ℃ to 55 ℃) available
- Support plasterboard installation

For on-wall mounting

For in-wall mounting

Android 5.1 | Onvif | Wiegand | PoE | IP65

Akuvox R28A

SIP Video Doorphone with Numeric Keypad

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

For on-wall mounting

For in-wall mounting

ONVIF | Wiegand | PoE | IP65

Akuvox R26B

SIP Video Doorphone with Access Control

- Premium audio and video quality
- Aluminum panel
- Five buttons with name plate
- 116° wide-angle 2MP camera with automatic lighting
- Support NFC, 13.56MHz and 125kHz access cards

For on-wall mounting

Onvif Wiegand PoE IP65

Doorphone

Akuvox R27A

SIP Video Doorphone with Numeric Keypad

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

ONVIF | Wiegand | PoE | IP65

Akuvox R26C

SIP Video Doorphone with Access Control

- Premium audio and video quality
- Aluminum panel
- 116° wide-angle 2MP camera with automatic lighting
- Support NFC, 13.56MHz access cards

ONVIF | Wiegand | PoE | IP65

Akuvox R26P

SIP Video Doorphone

- Premium audio and video quality
- Aluminum panel
- 116° wide-angle 2MP camera with automatic lighting

ONVIF | Wiegand | PoE | IP65

Akuvox R20A

Compact SIP Video Doorphone

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

ONVIF | Wiegand | PoE | IP65

Akuvox R23C

SIP Doorphone with Access Control

- Premium audio quality
- Aluminum panel
- Support NFC, 13.56MHz access cards

Wiegand | PoE | IP65

Akuvox R23P

Simplest SIP Doorphone

- Premium audio quality
- Aluminum panel

Wiegand | PoE | IP65

Akuvox E21V

SIP Video Emergency Intercom

- Vandal-resistant with 316 grade stainless steel body
- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting

ONVIF | PoE | IP65

Akuvox E21A

SIP Emergency Intercom

- Vandal-resistant with 316 grade stainless steel body
- IK10 rating
- Premium audio quality

IK10 | PoE | IP65

Akuvox X916

NEW !

World's First Android Doorphone with Starlight Camera

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

For on-wall mounting

For in-wall mounting

Android 9.0 | Onvif | Wiegand | PoE | IP65

Akuvox R20K

NEW !

Compact SIP Video Doorphone with Numeric Keypad

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

For on-wall mounting

For in-wall mounting

Onvif | Wiegand | PoE | IP65

Akuvox E11R

NEW !

Compact SIP Video Doorphone

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

For on-wall mounting

ONVIF Wiegand PoE

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
- Built-in SIP PBX function
- Desktop mount available

For on-wall mounting

Optional desktop stand

Android 6.0 | PoE

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 on-wall mounting

PoE

Akuvox IT82

WORKS WITH alexa

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

Android 6.0 | PoE

Disclaimer: Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

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

Android 6.0 | PoE

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

Linux | PoE

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

Android 5.1 | PoE

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

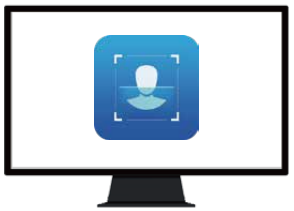
SIP Softphone App for Intercom

- 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

- Multi-screen video monitoring
- Remote door unlocking
- Audio or video calling with intercom

Smart Intercom Solution

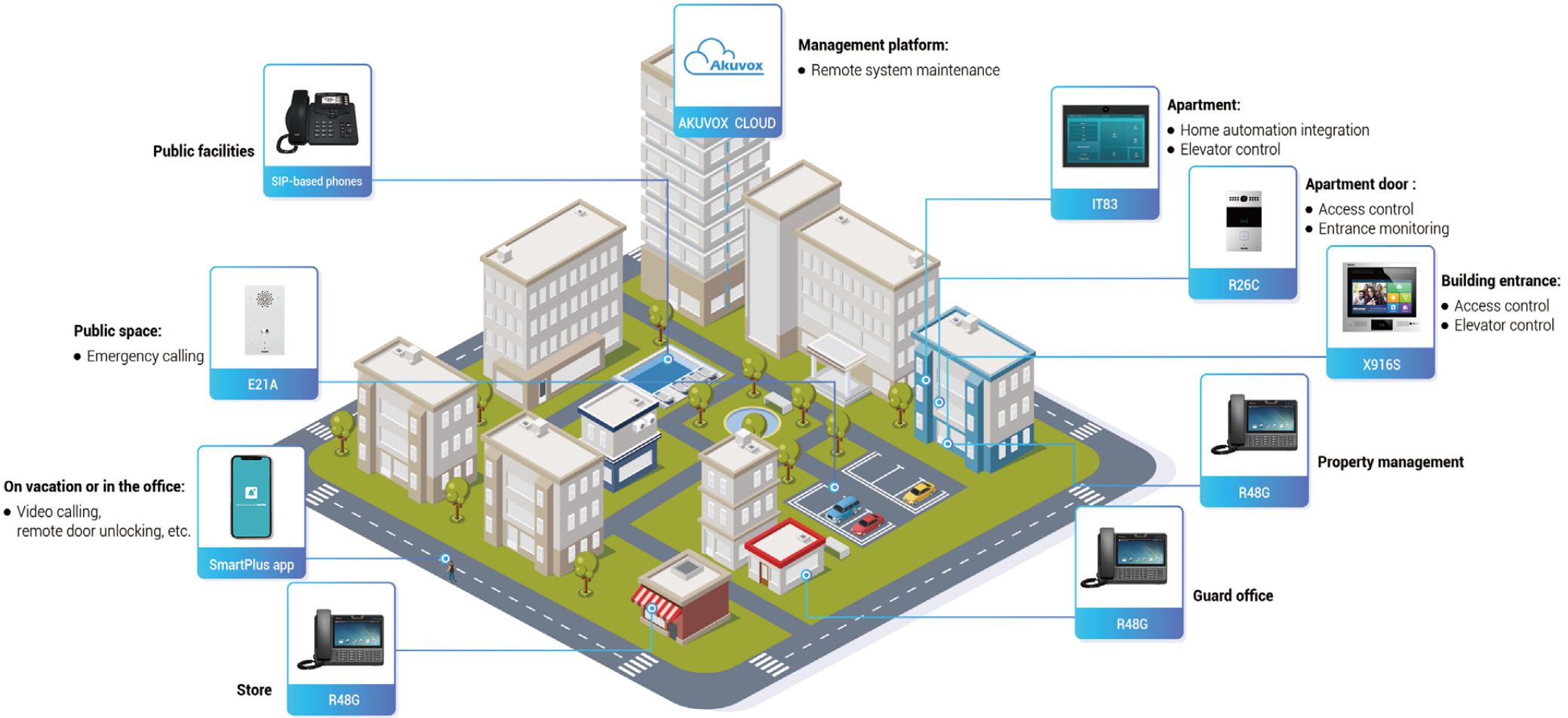
for RESIDENTIAL

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, video surveillance and property management systems
- Control elevator to allow visitors to access the authorized floor only or send an empty elevator to an assigned 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, telephone, video surveillance and time & attendance systems
- Mobile app for business communication on the go

Solution Overview

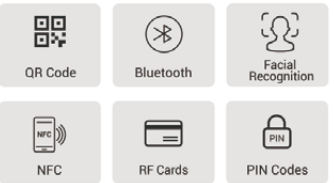
On-the-go : SmartPlus

Office door : R20A

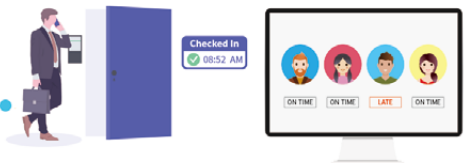
- Access control

Building entrance: X916S

- Flexible building entry options



Integration with phone system



Integration with time & attendance system

Integration with video surveillance system

Integration with access control system

Smart Intercom Solution

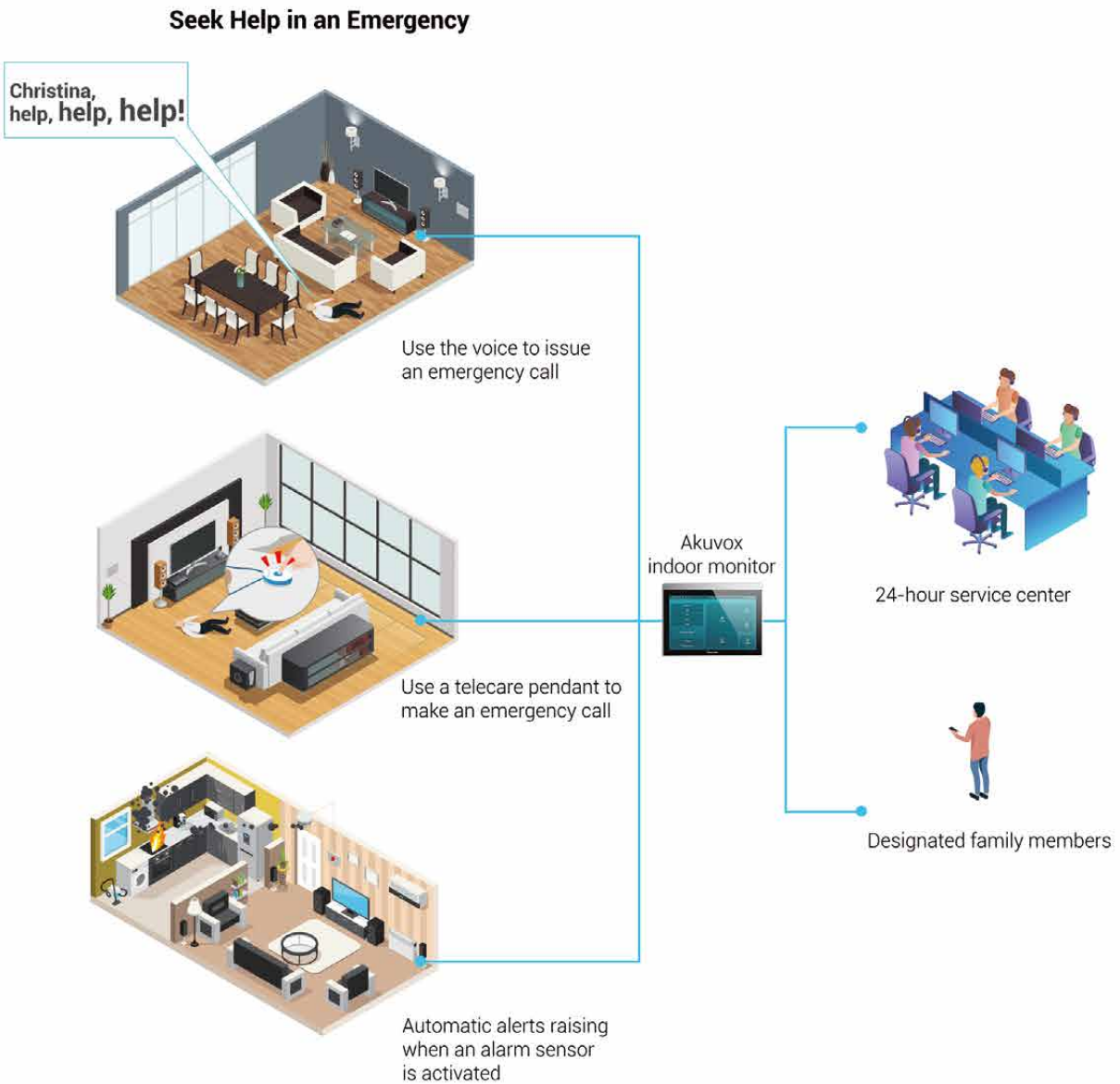
for ASSISTED CARE & HOSPITAL

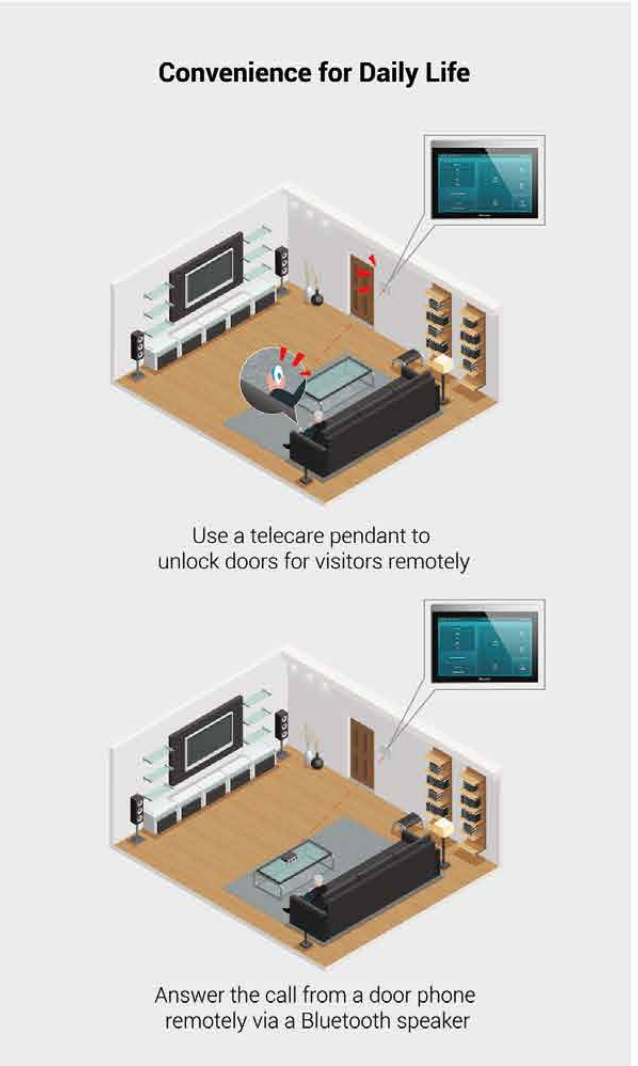
As the worldwide population ages, the healthcare system of every country faces significant challenges. Safety, trust and security are the key contributing factors to the health and wellbeing of older people, whether in their own homes or being taken care of in a care home.

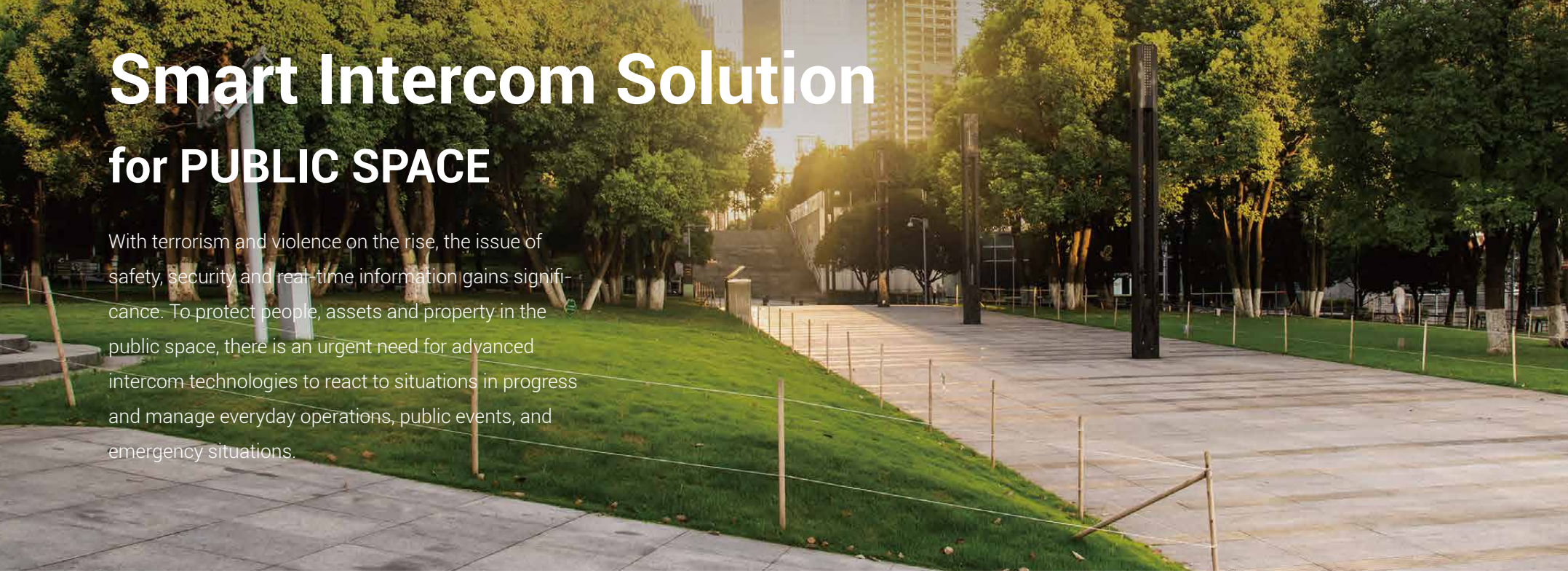
Highlights of Akuvox Smart Intercom Solution

- 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







Smart Intercom Solution

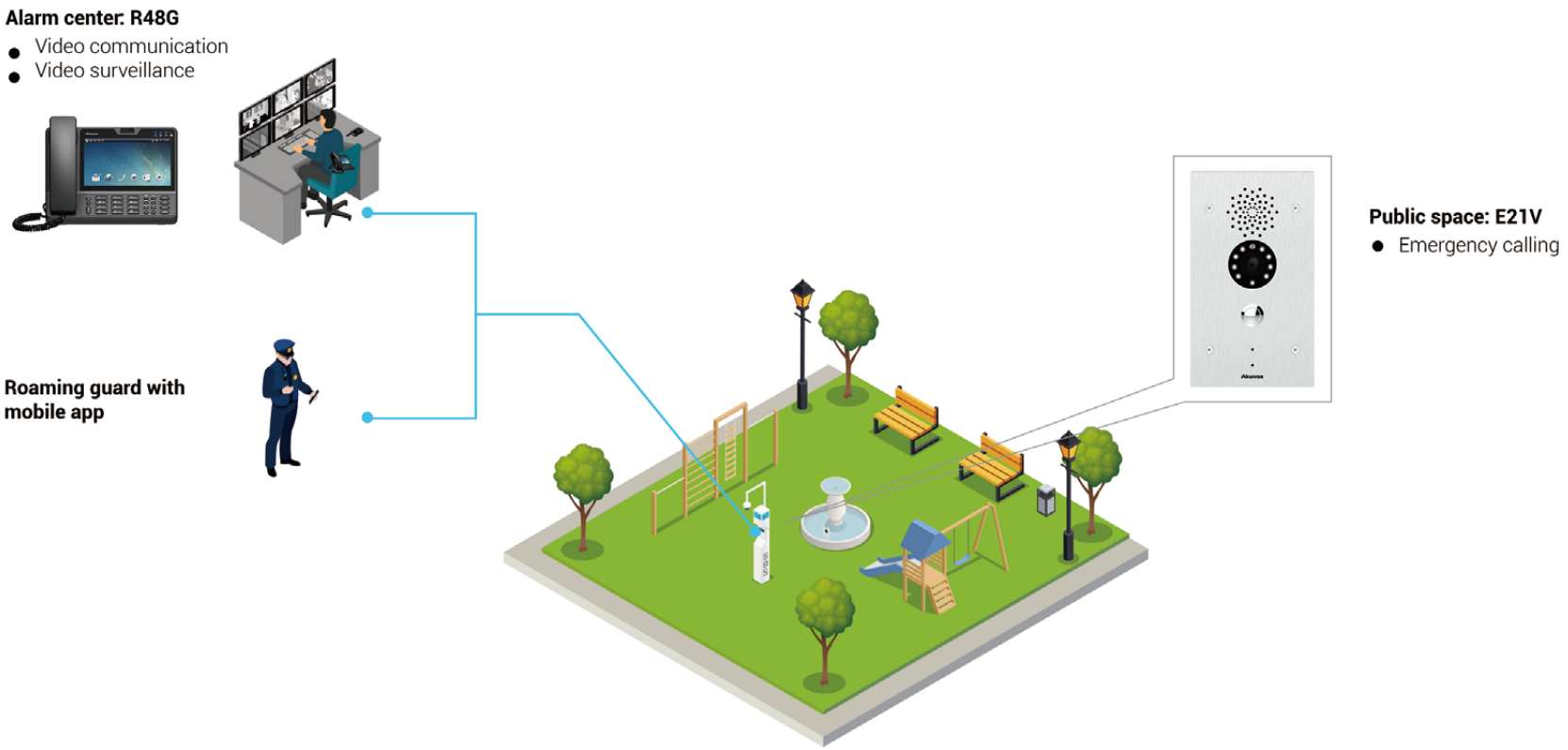
for PUBLIC SPACE

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



Accessories

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

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	No	No	No	No	No	No	No	No	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	Yes	Yes	Yes	Yes	Yes	Yes
Front Panel	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	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	-	-	-	-	-	-	-
IP Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	-	IP65	IP65	For indoor	For indoor	For indoor	For indoor	For indoor	For indoor	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

10/F, No.56 Guanri Road, Software Park Ⅱ, Xiamen 361009, China
Tel: +86-592-2133061 Ext: 7694/8162 Fax: +86-592-2133061
Email: sales@akuvox.com Web: www.akuvox.com

Akuvox and identifying product names and numbers herein are registered trademarks of AKUVOX (XIAMEN) NETWORKS CO., LTD. All non-Akuvox brands and product names are trademarks or registered trademarks of their respective companies. Product appearance, build status, and/or specifications are subject to change without notice.
Copyright AKUVOX (XIAMEN) NETWORKS CO., LTD. All rights reserved.

Akuvox_200110_V4.0