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Akuvox Smart Intercom

Smart Intercom
Catalogue

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Akuvox

The Company

The Global Leading Provider of Smart Intercom

Akuvox is a global leading innovator of smart intercom and access control 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.

Our products and solutions have been deployed and used daily in more than 100 countries and regions meeting customer needs in various vertical markets that range from residential to commercial, from healthcare to public safety.
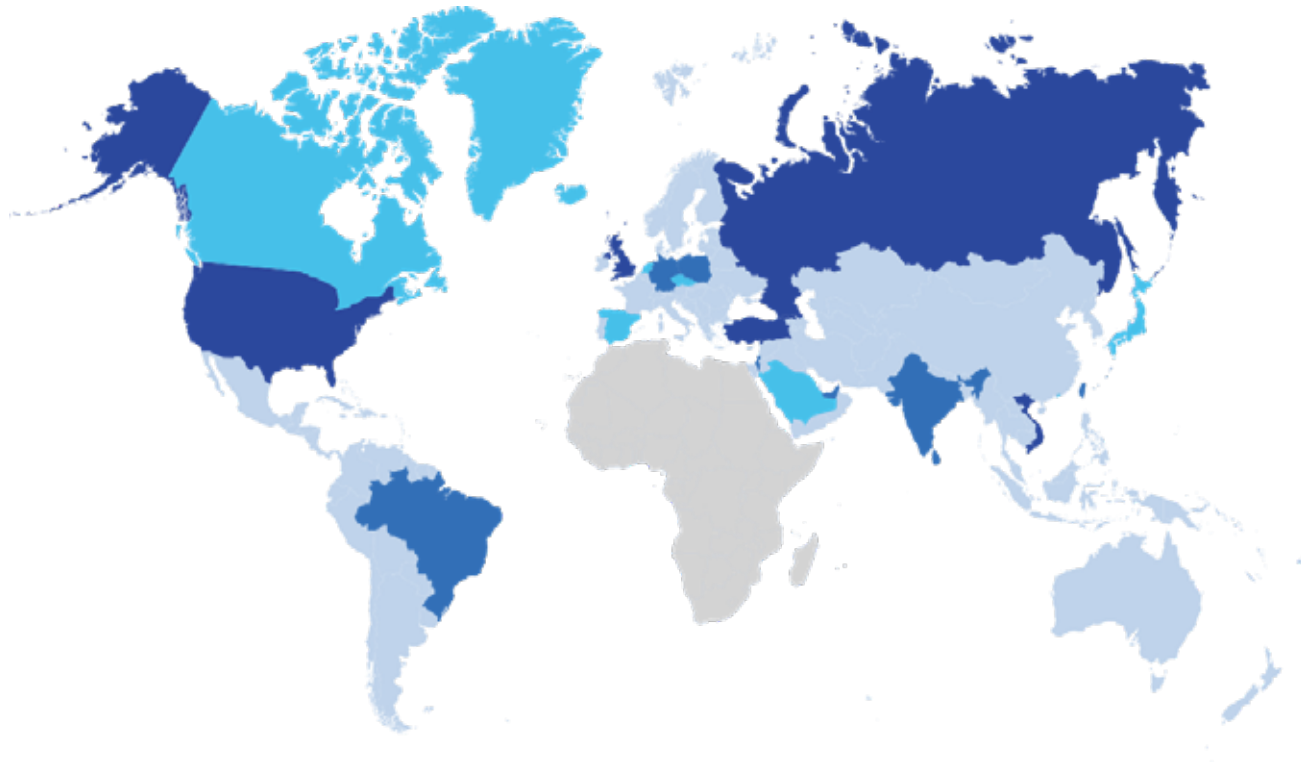
100+
countries & regions

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

User-Centered

Connected

Adaptive
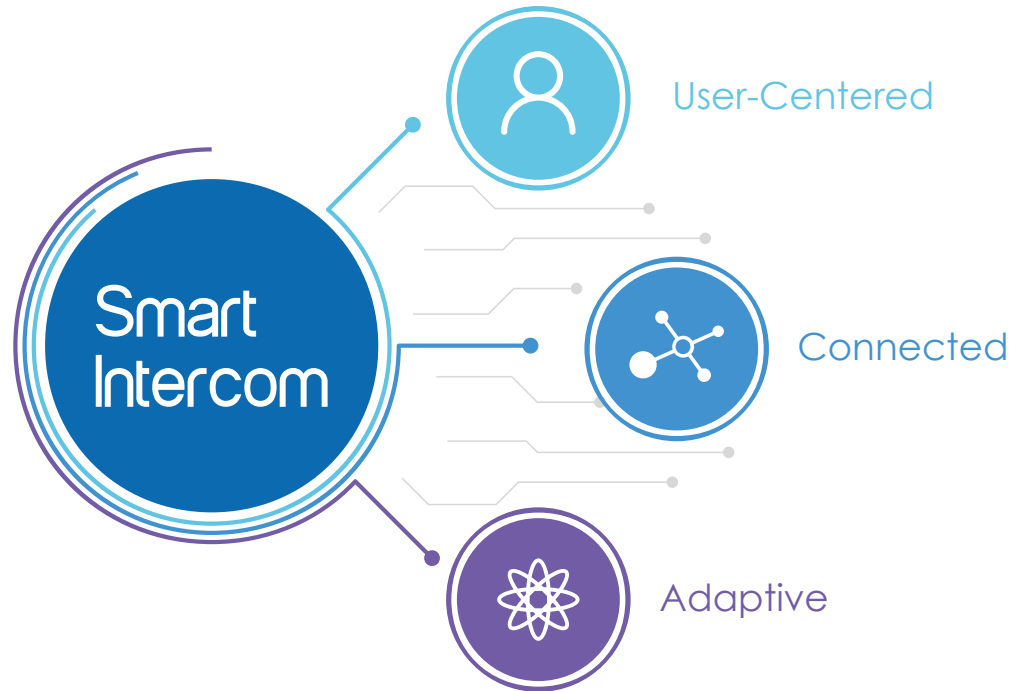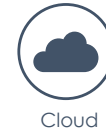
Smart Intercom Technologies

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 intercom devices.The voice data are processed directly on the device, faster and securer compared with an online method.

Fall detection

Exploring the synergy of image recognition technique and deep neural networks, Akuvox empowers intercoms to increase in-home safety for older individuals.
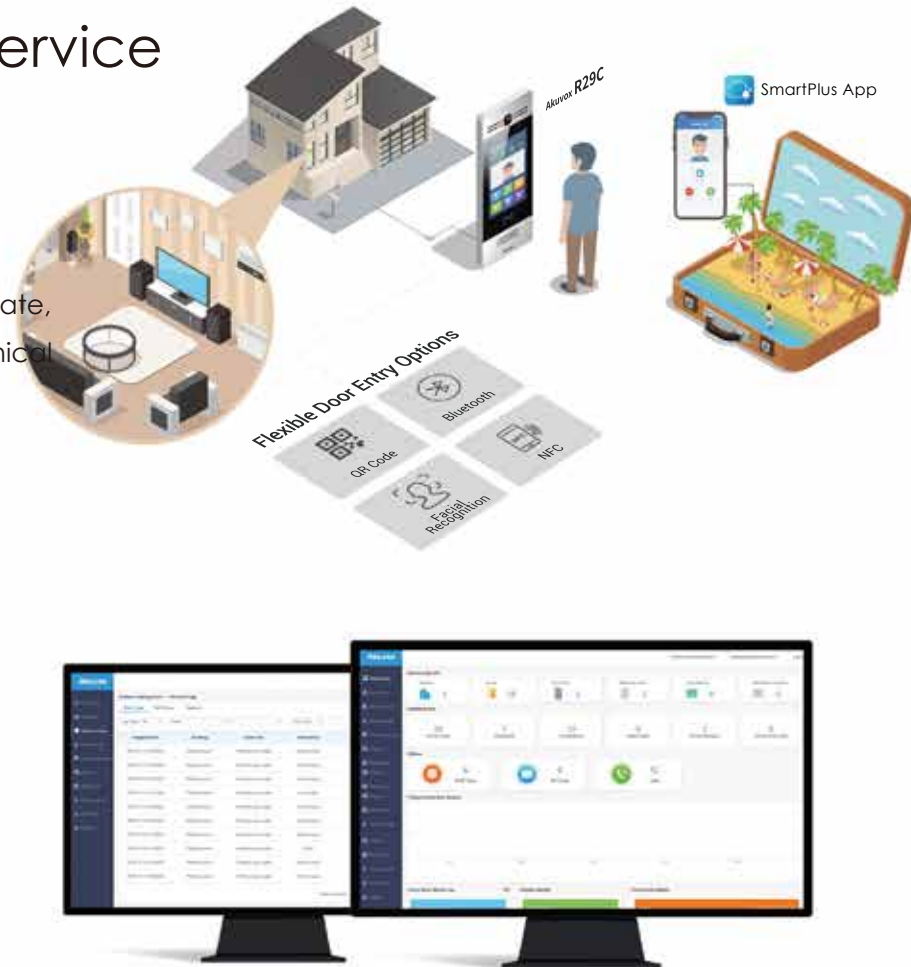
Smart Intercom Technologies-Cloud

Smart Cloud-based Intercom Service

Akuvox SmartPlus, a smart cloud-based intercom service, allows Akuvox's intercom and access control devices to link, communicate, and interact intelligently with one another without any geographical restrictions, making buildings smarter and securer.

- Mobility: intercom and building access anywhere, anytime
- Flexibilit y: remote provisioning and maintenance for any scale of systems
- Stability: 24/7 self-monitoring with >1 million monitoring tests per month at a 99.99% success rate
- Security: triple data backup mechanism ensuring 99.999% data reliability

Smart Intercom Technologies-Android

Easy Integration, Deep Customization, Exceptional User Experience

The openness of Android makes it easy to integrate Akuvox's smart intercoms with 3rd-party systems like home automation and security systems.

Akuvox's finely-tuned Android systems are easy to use. The system's high flexibility also allows Akuvox to offer deep customization service to meet bespoke customer needs.

With the Google app store, users can enjoy millions of the latest Android apps and digital content from their indoor monitors.

Smart Intercom Technologies-SIP

Better Communication

Akuvox's intercoms are based on SIP, a universal IP communication protocol, allowing you to build an extensive communication system. Compared with a non-SIP system, SIP-based intercoms are easy to learn, use and maintain and are easy to integrate into a phone system.

- Premium audio and video quality

- Communication between any SIP-supporting systems

- Work with mobile phones and landlines

Indoor Monitor

Mobile Phone

IP Video Phone

Door Phone

Smart Intercom Technologies-Security

Greater Security

Akuvox's smart intercoms can be flexibly connected with various alarm systems such as smoke detectors for greater home security.
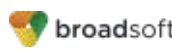
Akuvox dedicates itself to improving the robustness of its products against damage caused by external factors. Akuvox's intercoms are certified with IK and IP ratings, which can be as high as IK10 Rating, and feature the tamper-resistant mechanism.

We are also committed to protecting your intangible property through advanced network security measures, such as AES256, HTTPS, Anti-DDoS, and GDPR compliance.

Work with Global Technology Partners

Together with our valued and trusted partners, Akuvox creates smart intercom and access control solutions that meet our customers' ever-increasing security and convenience needs.

Home Automation		Telephony	Video Management System	Access Control
snap one	tuya	Genetec	milestone	VANDERBILT
RTI	ELAN	Yeastar	NetworkOptix	ZKTeco
LifeSmart 云起智能	HDL	broadsoft	CISCO	parsec
zipato		aare net	Camera	SIEMENS
iRidium mobile		elastix	Tiandy	
core		epygi	EAGLE EYE NETWORKS	
		CyberTwice	Milesight	

Smart Intercom Products

X915

High-end Smart Door Phone for Luxury Buildings

German Industrial Design

IK10 Vandal Resistance Rating

AI-powered Facial Recognition

Akuvox X915S

Facial Recognition Android Door Phone

- 8" full-color touch display provides ultra-wide viewing angles
- Visible light facial recognition
- Anti-spoofing algorithm against photos and videos
- The primary camera features a built-in HDR mode to tackle a variety of high-contrast scenes
- Fully compliant with the IK10 Rating
- Support multiple verification methods, including the face, card, PIN, Bluetooth, and QR code
- Ability to integrate with an induction loop antenna for users with hearing aids
- Multiple theme options available to personalize and suit a range of locations

Android 9.0   Onvif®   Wiegand

PoE+   IP65   IK10

IK10

Height：40cm

Weight：5kg

X912

Vandal-resistant Door Phone
for High-end Buildings

Akuvox X912S

Vandal-resistant Door Phone for High-end Buildings

- 4" full-color touch display providing ultra-wide viewing angles
- Slim design for limited installation space
- Vandal-resistant body, fully compliant with the IK09 Rating
- Two-way audio communication over IP networks with echo cancellation feature
- Multi-way access feature including face ID, cards, PIN, BLE, QR codes & wave-to-unlock
- Comply with SIP standard for easy integration with SIP capable PBXes
- Comply with ONVIF standard for easy integration with any network surveillance system

Linux   Onvif®   Wiegand

PoE+   IP65   IK09

Weight 5kg

Height 20cm

IP65

IK09
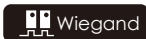
R29

World's First Facial Recognition Android Door Phone

- Anti-spoofing facial recognition
- Touchless building entry
- Easy-to-navigate UI

Akuvox R29C

Facial Recognition Android Door Phone

- 7" capacitive touch screen supporting glove mode
- Aluminum panel
- Dual-camera: one 120° wide-angle 3MP camera with IR and an auxiliary 1MP camera
- Support multiple access control methods: facial recognition, NFC,13.56MHz and 125kHz access cards, Bluetooth, and QR code
- Cold-resistant version (-40℃ to 55℃) available
- Support plasterboard installation
- Black color version available

Android 5.1 **Onvif®** **Wiegand**

PoE **IP65** **IK06**

E12
Smart Video Door Phone

Compact, Stylish and Versatile,
Perfect for Every Front Door

| Space-efficient | IP65 rating | Smart home integration |

Akuvox E12
Compact SIP Video Door Phone

- Real-time 2-way talk
- Live camera viewing
- Cloud or local based storage
- Rated for outdoor use
- Mobile app compatible
- Integrated with any SIP device

Linux   Onvif®   Wiegand

PoE   IP65
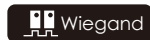
Akuvox R29C-L

Facial Recognition Android Door Phone
with 4G Technology

- 7" capacitive touch screen supporting glove mode
- Aluminum panel
- Dual-camera: one 120° wide-angle 3MP camera with IR and
  an auxiliary 1MP camera
- Support multiple access control methods: facial recognition,
  NFC,13.56MHz and 125kHz access cards
- LTE wireless communication requires the minimum efforts
  for device installation
- On-wall mounting only

Akuvox R20A

Compact SIP Video Door Phone

- 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

Akuvox E16C

Facial Recognition Door Phone

- 5" full-color touch display provides ultra-wide viewing angles
- Visible light facial recognition
- Anti-spoofing algorithm against photos and videos
- Support SIP to provide reliable two-way voice & one-way
  video communication
- Support multiple verification methods, including the face,
  card, PIN, Bluetooth, and QR code
- Support stand-alone operation
- Optional body temperature detection function
- Powered by PoE or external power supply

Akuvox EC32

Compact SIP Video Door Phone

- 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

X933

Luxury Smart Indoor Monitor
Perfect for Your Home

Italian Industrial Design   AI-powered Voice Assistant   Smart Home Integration

Akuvox X933

Android Indoor Monitor for Smart Home Solution

- 7" touch screen with 1280 x 800 resolution
- Excellent performance with Android 9.0 OS
- Eight-channel inputs and two built-in relays
- Dual-microphone for noise reduction
- Support 3rd-party apps
- White color housing available
- In-wall mounting version available

Android 9.0   **PoE**

Smart 2-Wire
SIP Video Intercom

It's time to upgrade
your outdated analog systems!

Save costs by reusing existing cables

Improve user experiences with smart features

Fit for projects large or small

Akuvox R20A-2

2-Wire SIP Video Door Phone

- Vandal-resistant body, with a flush button
- Two-pin wire for power supply and network access
- Wide-angle camera: 110º (H), 58º (V)
- IC/ID card reader embedded
- Two-way audio communication over IP networks with echo cancellation & noise suppression
- H.264 video compression

Akuvox C313W-2

2-Wire SIP Indoor Monitor

- 7" touch screen with 800 x 480 resolution
- Eight-channel inputs and one built-in relay
- White color housing available
- Support 2-wire connection

Akuvox NS-2

2-Wire IP Network Switch

- Connect up to six 2-wire IP intercom devices
- Support network and power supply for R20A-2 or C313W-2 through 2-wire cable
- Support multi-level cascade through 2-wire cable
- Long data transmission distance

Akuvox C313

Budget-friendly Indoor Monitor

- 7" touch screen with 800 x 480 resolution
- Eight-channel inputs and one built-in relay
- White color housing available

R49G

Android IP Video Phone

- 7" touch screen with 1024 x 600 resolution
- Excellent performance with Android 9.0 OS
- 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

SMART ACCESS CONTROL SOLUTIONS

Secure, convenient, and tech-forward access control for residential and office applications

Cloud-based access control

Time & attendance
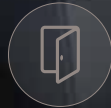
Multiple verification methods

Akuvox A05

Facial Recognition Access Control Terminal

- 5" full-color display provides ultra-wide viewing angles
- Visible light facial recognition
- Anti-spoofing algorithm against photos and videos
- Support multiple verification methods, including the face, card, and QR code
- Support stand-alone operation
- Optional body temperature detection function
- Powered by PoE or external power supply

Akuvox A02S

Access Control Terminal

- Touch keypad
- Aluminum alloy panel
- Support multiple access control methods: PIN codes, NFC, 13.56MHz and 125kHz access cards, and two-factor authentication
- APIs available for easy integration with 3rd-party systems
- Support tamper-proof alarm
- Support up to 20,000 cards and 100,000 card event logs
- Ideal for environments with limited space

Akuvox A01S

Access Control Terminal

- Toughened glass & aluminum alloy panel
- Support multiple access control methods: NFC, 13.56MHz and 125kHz access cards
- APIs available for easy integration with 3rd-party systems
- Support tamper-proof alarm
- Support up to 20,000 cards and 100,000 card event logs
- Ideal for environments with limited space

Akuvox I88A

Access Control Terminal

- Touch keypad
- Aluminum alloy panel
- Support multiple access control methods: PIN codes, NFC, 13.56MHz and 125kHz access cards, and two-factor authentication
- APIs available for easy integration with 3rd-party systems
- Support tamper-proof alarm
- Support up to 20,000 cards and 100,000 card event logs
- Ideal for environments with limited space

Akuvox A092S

2 Door Controller

Support 4 port interfaces for Wiegand readers

Support 2 port interfaces for input

Support 2 port interfaces for relay out

Backlit function icons

Support backup battery (battery not supplied)

Support RS485, OSDP, and Wiegand protocols

Support tamper-proof alarm

Support up to 50,000 cards and 100,000 card event logs

Akuvox SmartPlus

Akuvox SmartPlus, a smart cloud-based intercom service for residential buildings, caters to the on-the-go lifestyles by offering residents smartphone-based building access and simplifies property access management for property owners and managers.

SmartPlus App

The SmartPlus App allows residents to see and talk to visitors, open doors,
monitor building entrances and issue virtual keys from their smartphones,
which offers an elevated building entry experience.

Preview
See who is at the entrance before answering the call

Video Calling
See and talk to visitors with live video before buzzing them in remotely

Door Unlocking
Open doors using the "Open Door" button of the app or Bluetooth or through a standard phone call

Virtual Key
Issue time-limited QR code keys and guest PINs

Push Notification
Get instant notifications of incoming calls

Door Release Log
Access to date- and time-stamped photos of door release events

GET IT ON Google Play

Download on the App Store
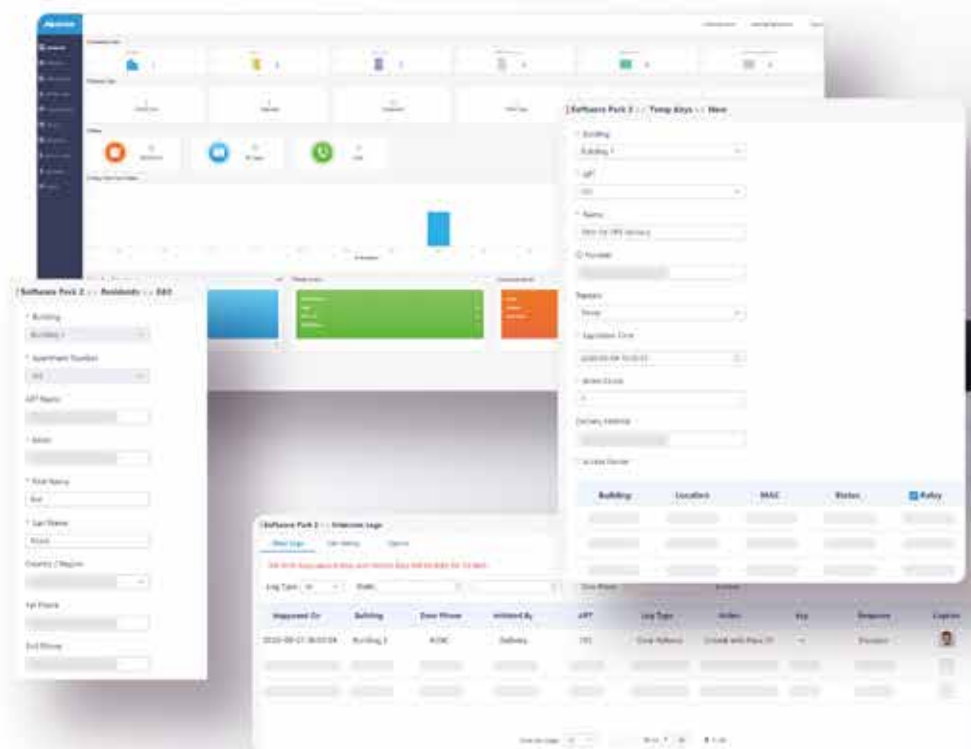
Property Management Portal

The web-based property access management portal of Akuvox SmartPlus offers a bunch of remote-working features that greatly enhance building operation efficiency.

- Manage all properties of multiple sites from a single interface
- Access to time- and date- stamped photos of all door entries
- Assign time-limited PINs to delivery or service people
- Easy posting of community announcements
- Easy integration with existing building systems

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Akuvox My MobileKey

Bluetooth Mobile Credential

- Support wave-to-unlock feature
- Support door opening using the unlocking tab of the app
- Bluetooth credential secured by the AES256 encryption protocol
- Integration with the Akuvox ACMS
- Available for Android & IOS version

Akuvox ACMS

PC-based Access Control Management System for Small and Medium Businesses

- Staff information management
- Device management
- Access control management
- Access to detailed access logs

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 PC Manager

PC-based Management Software
for Intercom Configuration

- Automatic search and connection of intercom devices
- Addition, modification, and deletion of intercom configuration
- Batch intercom configuration and software upgrading

Smart Intercom Solutions

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 the traditional intercom, which is monofunctional and antiquated or doesn't function.

Highlights of Akuvox Smart Intercom Solution

- Build an extensive community-wide communication system
- Work with mobile phones and landlines
- Integrate home automation, video surveillance, and property management systems
- Summon elevator for the authorized visitors and send them to the designated floor

- App-based features, including video calls, remote door unlocking, alarm push notifications, and messages from the property management
- Remote system maintenance via a web browser

Solution Overview

Management platform:
• Remote system maintenance

Akuvox SmartPlus

Public facilities

SIP-based phones

Apartment:
• Home automation integration
• Elevator control

X933

Apartment door :
• Access control
• Entrance monitoring

E11R

Building elevator:
• Elevator control

A05S

Public space:
• Emergency call

E21A

Building entrance:
• Access control
• Elevator control

X915S

On vacation
or in the office:
• Video call, remote door unlocking, etc.

SmartPlus App

Guard office

R49G

Store

R49G

Community entrance
• Access control

X916S

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. Intercom technology has come into play to help maximize the potential business growth by integrating people and technology.

Highlights of Akuvox Smart Intercom Solution

- Flexible door entry options including facial recognition, NFC, RF cards, and PIN codes.

- Integrate access control, existing phone systems, video surveillance, and time & attendance systems.

- Mobile app for business communication on the go.

Solution Overview

On-the-go : SmartPlus App

Office door : R20A
• Access control

Building lobby: A05S
• Access control

Building entrance: X916S
• Flexible building entry options

QR Code	Bluetooth	Facial Recognition
NFC	RF Cards	PIN Codes

Integration with IP phone systems

Integration with time & attendance systems

Integration with video surveillance systems

Card

Integration with access control systems

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Smart Intercom Solution

for ASSISTED CARE & HOSPITAL

As the world population ages, the healthcare system of every country faces significant challenges. Safety, trust, and security are the key contributing factors to older individuals' health and well-being, whether in their own homes or in a care home.

Highlights of Akuvox Smart Intercom Solution

- Converge the latest technologies, including SIP, Android, and AI
- Easy-to-use system specially designed for older individuals
- 100% transmission of SOS signal to service centers with < 10 seconds SOS signal delay
- Telecare pendant for making emergency calls and remote door unlocking 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 for new features

Solution Overview

Seek Help in an Emergency

Albert,
help,help,help!

Use your voice to make an emergency call

Use a telecare pendant to make an emergency call

Automatic alerts raising when an alarm sensor is activated

Home: IT83

24-hour service center

Designated family members

Convenience for Daily Life

Home: IT83

Use a telecare pendant to unlock doors for visitors remotely

Home: IT83

Remotely answer a door phone call via a Bluetooth speaker

Smart Intercom Solution

for PUBLIC SPACE

With terrorism and violence on the rise, the issue of safety, security, and real-time information is gaining significance. To protect people, assets, and property in the public space, we urgently need advanced intercom technologies to respond to situations in progress and manage everyday operations, public events, and emergencies.

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 lines to alarm centers or security guards on patrol

Solution Overview

Police office: R49G
- Video communication
- Video surveillance

Roaming guard:
SmartPlus App
- Video call
- Offline push notification

Alarm center

Integration with VMS

Public space: E21V
- Emergency calling

Model	X915S	X912S	R29C	R29C-L	R20A	E16C	E12	EC32
Image								
On-Wall Mounting								
In-Wall Mounting								
Optional Rain Cover								
Optional Desktop Stand								

Model	X933	I88A	C313	R49G	R20A-2	C313W-2	NS-2	A05
Image								
On-Wall Mounting								
In-Wall Mounting								
Optional Rain Cover								
Optional Desktop Stand								

Model	A02S	A01S	A092S					
Image								
On-Wall Mounting								
In-Wall Mounting								
Optional Rain Cover								
Optional Desktop Stand								

Model	X915S	X912S	R29C	R29C-L	R20A	E16C	E12	EC32
Image								
Display	8"	4"	7"	7"	No	5"	No	-
Touch Screen	Yes	Yes	Yes	Yes	No	Yes	No	-
Front Panel	Stainless stee	Stainless steel	Aluminum	Aluminum	Aluminum alloy	Plastics	Plastics	-
PoE	PoE+	PoE+	Yes	Yes	Yes	Yes	Yes	-
SIP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Operating System	Android	Linux	Android	Android	Linux	Linux	Linux	-
Camera	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
ONVIF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Wi-Fi	No	No	No	No	No	No	Optional	-
PIN / Card Entry	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Biometric Access	Yes	Yes	Yes	Yes	No	Yes	No	-
Wiegand	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Temperature Detection	No	No	No	No	No	Optional	No	-
LTE	No	No	No	Yes	No	No	No	-
IP Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	-
3rd-party Apps	Yes	No	Yes	Yes	No	No	No	-

Model	X933	I88A	C313	R49G	R20A-2	C313W-2	NS-2	A05
Image								
Display	7"	7"	7"	7"	No	7"	-	5"
Touch Screen	Yes	Yes	Yes	Yes	No	Yes	-	No
Front Panel	Plastics	Plastics	Plastics	Plastics	Aluminum alloy	Plastics	-	Plastics
PoE	Yes	Yes	Yes	Yes	No	Yes	-	Yes
SIP	Yes	Yes	Yes	Yes	Yes	Yes	-	No
Operating System	Android	Android	Linux	Android	Linux	Linux	-	Linux
Camera	No	No	No	Yes	Yes	No	-	Yes
ONVIF	-	-	-	-	Yes	-	-	Yes
Wi-Fi	Optional	Optional	Optional	Yes	No	Yes	-	No
PIN / Card Entry	-	-	-	-	Yes	-	-	Yes
Biometric Access	-	-	-	-	No	-	-	Yes
Wiegand	-	-	-	-	Yes	-	-	Yes
Temperature Detection	-	-	-	-	No	-	-	Optional
LTE	-	-	-	-	No	-	-	No
IP Rating	For indoor	For indoor	For indoor	For indoor	IP65	For indoor	-	IP65
3rd-party Apps	Yes	Yes	No	Yes	No	No	-	No

Model	A02S	A01S	A092S					
Image								
Display	No	No	No					
Touch Screen	Yes	No	No					
Front Panel	Toughened glass	Toughened glass	SGCC					
PoE	Yes	Yes	No					
SIP	No	No	No					
Operating System	Linux	Linux	Linux					
Camera	No	No	No					
ONVIF	No	No	No					
Wi-Fi	No	No	No					
PIN / Card Entry	Yes	Yes	No					
Biometric Access	No	No	No					
Wiegand	Yes	Yes	Yes					
Temperature Detection	No	No	No					
LTE	No	No	No					
IP Rating	IP65	IP65	No					
3rd-party Apps	No	No	No					

TRANTECH

AUTHORISED DISTRIBUTOR

Akuvox Smart Intercom

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