

***Premium touch screen for your home***

The Akuvox IT82R multifunctional communicator, with an Android operating system, provides audio and video communication with door phones via SIP 2.0 protocol. It delivers the ultimate touch screen experience in an unobtrusive, space-saving design featuring a brilliant 7-inch capacitive touch screen display.

***At a Glance***

- Ultra-clear, stylish appearance;
- 7-inch capacitive touch screen with energy saving mode;
- Two-way audio communication with other units in the network;
- Complies with SIP standard for easy integration in every SIP capable PBXes;
- Powered by PoE or external source
- Support US or European electrical wall box mounting

**Physical & Power**

- Front panel: Aluminum
- RAM / ROM: 2GB / 8GB
- Display: 7 Inch TFT LCD
- Screen: 7 Inch capacitive touch screen
- Buttons: 5 capacitive buttons, programmable
- Memory slot: 1 SD slot
- RS485 port: Support
- Relay out: 1
- I/O: 8
- Microphone: -38dB
- Speaker: 4Ω / 2W
- Ethernet ports: 2xRJ45, 10/100Mbps adaptive
- 802.3af Power-over-Ethernet
- 12V DC connector (if not using PoE)
- Installation: Wall-mounted & Desktop
- Dimension: 232x160x27.8mm
- Working Humidity: 10~90%
- Working Temperature: -10°C ~ +45°C
- Storage Temperature: -20°C ~ +70°C

## Touch Screen Display

- Display Mode: Active matrix TFT, Transmissive
- LCD Size: 7inch (Diagonal)
- Aspect Ratio: 16:9
- Resolution: 1024x600
- Contrast ratio: 800:1
- Luminance: 270 cd/m<sup>2</sup>
- Viewing Angle: 75° Left, 75° Right,  
70° Upper, 75° Lower
- Touch Screen: Projected capacitive

## Audio

- SIP v1 (RFC2543), SIP v2 (RFC3261)
- Narrowband audio codec: G.711a, G.711μ, G.729
- Broadband audio codec: G.722
- DTMF: In-band, out-of-band DTMF (RFC2833),  
SIP Info
- Echo Cancellation
- Voice Activation Detection
- Comfort Noise Generator
- Automatic Gain Control

## Video

- Streaming formats: H.263 & H.264

## Networking

- Protocols support: IPv4, IPv6, HTTP, HTTPS, FTP,  
TFTP, SNMP, DNS, SNTP, RTSP, SRTP, RTP, TCP,  
UDP, TLS, ICMP, DHCP, ARP

## Deployment & Maintenance

- Auto-Provisioning
- Web management portal
- Web-based packet dump
- Configuration backup / restore
- Firmware upgrade
- System logs (include door access logs)

## Application Scenario

- Villas
- Apartment complexes
- Home automation systems
- Modern interiors