

Premium touch screen for your home

The Akuvox C313W-2 multifunctional communicator, with a Linux 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;
- Thin profile and small footprint;
- 7-inch capacitive touch screen with energy saving mode;
- Two-way audio communication with other units in the 2-wire IP network;
- Powered by NS-2 or external source
- Super long transmission distance via 2-wire cable
- Support US or European electrical wall box mounting



Physical & Power

- | | |
|--|---|
| • Front panel: Plastic | • Microphone: -58dB |
| • RAM / ROM: 64MB / 128MB | • Speaker: 4Ω / 2W |
| • Display: 7 Inch TFT LCD | • 2-wire ports: 2 pair |
| • Screen: 7 Inch capacitive touch screen | • Ethernet ports: 1xRJ45, 10/100Mbps adaptive |
| • Wi-Fi: IEEE802.11 b/g/n, @2.4GHz | • 48V DC connector (if not using NS-2) |
| • RS485 port: Support | • Installation: Wall-mounted & Desktop |
| • Relay out: 1 | • Dimension: 200.2x132.2x27.2mm |
| • Bell in: 1 | • Working Humidity: 10~90% |
| • I/O: 8 | • Working Temperature: -10°C ~ +45°C |
| | • Storage Temperature: -20°C ~ +70°C |

Touch Screen Display

- Display Mode: Normally white, Transmissive
- LCD Size: 7inch (Diagonal)
- Resolution: 800x480
- Contrast ratio: 500:1
- Luminance: 220 cd/m²
- Viewing Angle: 50° Left, 50° Right,
40° Upper, 50° 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: Out-of-band DTMF (RFC2833), SIP Info
- Echo Cancellation

Video

- Streaming formats: H.264

Networking

- Protocols support: IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, 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

- Old villas retrofit
- Old apartment retrofit

Perfect Doorphone choice for daily life

The security that comes with being able to control who comes into your building along with the ability to verbally and visually confirm their identity is immeasurable. Akuvox's Video Doorphone E12S alerts you when the bell is rung and lets you see and speak with visitors from your smartphone, from anywhere.



At a Glance

- Single button for outdoor environment;
- Linux operation system
- Wide-angle camera: 123° (H), 69° (V);
- Two-way audio communication over IP networks with Echo Cancel feature;
- Surface-mounted;
- Complies with SIP & ONVIF;

Physical & Power

- Body Material: Plastic
- Camera: 2M pixels, automatic lighting
- Button: 1 call button
- Wiegand port: Support
- RF card reader: 13.56MHz, NFC
- Light sensor: 1
- Relays out: 1
- Inputs: 2
- TF card slot: 1
- Microphone: 1
- Speaker: 1
- BLE: Support
- Ethernet port: RJ45, 10/100Mbps adaptive
- Tamper Alarm: Support
- 802.3af Power-over-Ethernet
- 12V DC connector (if not using PoE)
- IP Rating: IP65
- Installation: Wall-mounted
- Size: 146x70x23mm
- Working Humidity: 10~90%
- Working Temperature: -40°C ~ +60°C
- Storage Temperature: -40°C ~ +70°C

Audio

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

Video

- Sensor: 1/2.7", CMOS
- Pixels: CIF, VGA, 4CIF, 720p, 1080p
- Video codec: H.264
- Video resolution: up to 1920x1080
- Max. image transfer rate: 1080p – 30fps
- Viewing angle: 123°(H) / 69°(V)
- White LEDs for picture lighting during dark hours
- Compatible to 3rd party video components, e.g. NVRs

Door Entry Feature

- Relays controlled individually by DTMF tones
- Camera permanently operational
- Auto-night mode with LED illumination
- White balance: auto
- Minimum illumination: 0.1LUX

Networking & Protocol

- Protocols support: IPv4, HTTP, HTTPS, FTP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP

Deployment & Maintenance

- Auto-Provisioning
- Web management portal
- Configuration backup / restore
- Entry log export
- Access table export / import
- Firmware upgrade
- System logs (include door access logs)

Application Scenario

- Apartment/flat intercom with door access control
- Remote site entry over Internet