



# Fanvil A10/A10W/A10-E/A10W-E SIP mini Intercom

Fanvil A10 series SIP mini intercoms are designed for indoor scenes with security, intercom, and broadcasting functionality. They have a compact and fashionable appearance, featuring 2 SIP accounts and 3 detachable function buttons, and a PoE power supply. A10 series have rich functions such as HD audio, IP54 waterproof and dustproof, and built-in 2.4G & 5G Wi-Fi (A10W/A10W-E), providing a high-quality communication experience for the user. Moreover, they support wall mountable(A10/A10W) and standard 86 box embedded(A10-E/A10W-E) installation for more indoor application scenarios.

## Highlights

- ✓ Features 2 SIP accounts and 3 detachable function buttons
- ✓ Built-in 2.4G & 5G Wi-Fi (A10W/A10W-E)
- ✓ IP54 waterproof and dustproof
- ✓ Support HD audio with codec G.722 and Opus
- ✓ Built-in 2W speaker and Acoustic Echo Canceller (AEC)
- ✓ Built-in 1 short circuit input/output interface
- ✓ Support PoE power supply
- ✓ Support standard 86 box embedded (A10-E/A10W-E) and wall mountable(A10/A10W) installation



Model	Network	Button	PoE	Wi-Fi
A10/A10-E	10/100Mbps	3	✓	×
A10W/A10W-E	10/100Mbps	3	✓	2.4G&5G Wi-Fi

## Generic

- 2 SIP Lines
- Auto answer
- HD Voice
- PoE Enabled
- Built-in 2.4G & 5G Wi-Fi(A10W/A10W-E)
- Intercom function
- External Power Supply (Optional)

## Intercom Function

- Support customized DSS keys
- Network Time Synchronization
- Built-in Wi-Fi (A10W/A10W-E)
  - 2.4G, 802.11 b/g/n
  - 5G, 802.11 a/n
- Action URL / Active URL

## Audio

- Narrowband Codec: G.711a/u, G.729AB, G.723.1, G.726, iLBC
- Wideband Codec: G.722, Opus
- Duplex intercom with Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG)

/ Background Noise Estimation (BNE)

- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO

## Networking

- Physical: 10/100 Mbps Ethernet
- Wi-Fi: 2.4G&5G (A10W/A10W-E)
- IP Mode: IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static / DHCP / PPPoE
- Wi-Fi Encryption: WPA /WPA2-PSK /802.X EAP
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS

## Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6

- LLDP
- PPPoE
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

### **Deployment & Maintenance**

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Firmware Upgrade
- Syslog

### **Physical Specifications**

- A10 Series:3 DSS button;
- Status indicator light : Fast flashing red (registration failed、network anomaly)、Slow flashing green(call)
- 1 RJ45 port
- 1 short circuit input interface

- 1 relay: NC/NO Contacts, Max DC30V/1A, AC125V/0.5A
- Power: DC12V/1A or POE
- Power Consumption (Adapter):
  - 0.94W~1.98W (A10/A10-E)
  - 1.42W~2.35W (A10W/A10W-E)
- Power Consumption (PoE):
  - 1.48W~2.37W (A10/A10-E)
  - 1.99W~3.05W (A10W/A10W-E)
- Housing material: ABS
- Installation: Indoor installation
  - Standard 86 Box Embedded(A10-E/A10W-E)
  - Wall Mountable(A10/A10W)
- Color: Gunmetal
- working temperature: -10 ~50 °C
- Storage temperature: -20 ~ 50 °C
- Relative humidity: 10% - 90%
- Qty/CTN: 20 PCS
- N.W/CTN: 3.41kg
- G.W/CTN: 3.6kg
- Equipment Dimension:
  - 87.56 x 87.56 x 30mm (Wall Mountable)
  - 87.56 x 87.56 x 21.5mm ( 86 Box Embedded)
- Packing Dimension: 95x106x40mm
- Outer CTN Dimension: 224x220x210mm(20 PCS)

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products. For more information, please visit: [www.fanvil.com](http://www.fanvil.com)

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