

Fanvil A10W SIP mini Intercom



Fanvil A10 series SIP mini intercoms are designed for indoor use with security, intercom, and broadcasting functionality. They are compact and feature 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 Cancellor (AEC)
- ✓ Built-in 1 s 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 Cancellor (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 interface1 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)