



# Fanvil Y501/Y501W/Y501-E/Y501W-E SIP Healthcare Intercom

Fanvil Y501 series SIP healthcare intercoms are specially designed for home-based care, nursing house and other indoor application, realizing the emergency communication, security protection, broadcasting, etc. They feature HD audio, 2 SIP accounts, detachable DSS keys, IP54 waterproof and dustproof, and built-in 2.4G & 5G Wi-Fi(Y501W/Y501W-E). Y501 series provide different installation modes of standard 86 box embedded and wall mountable, bringing you a timely healthcare communication experience.



## Highlights

- Support specific 433MHz wireless button
- Features 2 SIP accounts and 3 antibacterial material detachable function buttons
- Support HD audio with codec G.722 and Opus
- Built-in 2.4G&5G Wi-Fi(Y501W/Y501W-E)
- Built-in 1 short circuit input/output interface
- IP54 waterproof and dustproof
- Support PoE power supply
- Support wall mountable installation (Y501/Y501W) and 86 box embedded installation(Y501-E/Y501W-E)

| Model   | Network    | Button | PoE | Wi-Fi         |
|---------|------------|--------|-----|---------------|
| Y501    | 10/100Mbps | 3      | ✓   | ×             |
| Y501W   | 10/100Mbps | 3      | ✓   | 2.4G&5G Wi-Fi |
| Y501-E  | 10/100Mbps | 3      | ✓   | ×             |
| Y501W-E | 10/100Mbps | 3      | ✓   | 2.4G&5G Wi-Fi |

## Generic

- 2 SIP Lines
- Auto answer
- HD Voice
- PoE Enabled
- Built-in 2.4GHz & 5G Wi-Fi(Y501W/Y501W-E)
- Intercom function
- External Power Supply (Optional)

## Intercom Function

- Support customized DSS keys
- Support wireless button (Optional)
- Network Time Synchronization
- Built-in Wi-Fi
  - 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 up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO

## Networking

- Physical: 10/100 Mbps Ethernet
- WIFI: 2.4G & 5G (Y501W/Y501W-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**

- Y501 Series: 3 DSS buttons (Speed dial, Emergency, Cancel)
- Up to 10 wireless buttons supported
- Status indicator light: Red(registration failed、network anomaly)、Green(registration successful、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(Y501/Y501-E)
  - 1.42W~2.35W(Y501W/Y501W-E)
- Power Consumption (PoE):
  - 1.48W~2.37W(Y501/Y501-E)
  - 1.99W~3.05W(Y501W/Y501W-E)
- Housing material: ABS
- 433 wireless button specification:
  - communication mode: FSK
  - working frequency: 433MHZ
  - communication protocol: Ebelong1.1
- Installation: Indoor installation
  - Standard 86 Box Embedded
  - Wall Mountable
- Color: White
- working temperature: -10 ~50 °C
- Storage temperature: -20 ~ 50 °C
- Relative humidity: 10% - 90%
- N.W/CNT: 3.7kg
- G.W/CNT: 3.98kg
- 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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Add:10/F Block A, Dualshine Global Science Innovation Center,Honglang North 2<sup>nd</sup> Road, Bao'an District, Shenzhen, China, 518100

Tel: +86-755-2640-2199 Fax: +86-755-2640-2618 Email: [sales@fanvil.com](mailto:sales@fanvil.com)

