

Adapter for analog phones with two FXS ports



Features

- Analog-digital voice signal converter
- Compatible with the SIP 2.0 standard
- 2 LAN ports
- Bridge mode support
- Provides two SIP lines
- Option for independent registration by FXS channel
- Registration in different SIP servers
- Automatic provisioning
- It supports T.38 FAX in real-time and T.30 (FAX with G.711)

Applications

- Conversion of analog extensions into SIP extensions
- Sends fax using T.38 protocol

Overview

Developed in response to the current large-scale IP voice market, it eliminates the need to change analog devices to IP telephony, as it offers analog-digital voice signal conversion for those devices.

Allows customers to register in different SIP Proxy servers and establish simultaneous VoIP calls, providing greater communication flexibility.

It is small in size, has excellent voice quality, compact features and the best performance. It is compatible with the SIP industry standards, it is capable of interoperating with many other SIP devices and softwares in the market. It supports T.38 FAX in real-time and T.30 FAX with G.711.

Dynamic and cost-saving

KAP 302 has three Ethernet ports. One of them is a dedicated WAN port for device and network management, while the other two are for connection with up to two devices.

User-friendly Web Interface

KAP 302 has a user-friendly Web Interface for monitoring, configuration, diagnostics, and management of the system. This allows for time optimization and greater autonomy for the user.

Generation of Logs for diagnostics

Logs can be accessed through the Web Interface, expediting the problem diagnosis and, consequently, the solution.

Features and benefits

Audio

- G.711 A-law and U-law, and G.729 A/B CODECs
- iLBC and Opus
- Adaptive Jitter Buffer
- VAD, CNG, echo canceling
- T.30 with G.711
- T.38 on port 2

System status

- System status via web browser
- SNMPv2 support
- LED status indicators

Features

- Firmware update
- Web interface for configuration
- IVR configuration interface
- Syslog
- SNTP
- Auto provisioning
- Multiuser Interface
- SNMPv2
- TR069

FXS features

- Conference with up to three interlocutors
- On-hold music
- DTMF relay – In-band, Out-band, and SIP INFO
- Call on-hold
- Call forwarding
- Mute
- Call transfer
- Call waiting
- Hot-line
- Caller ID
- Dial plan
- Black list
- Call history

Warranties and certifications

- Factory warranty: (legal + Khomp warranty): 1 year
- Legal warranty: 90 days
- Khomp warranty: 9 months
- Anatel certification
- Industry certified ISO 9001

Protocols

- SIP 2.0 (RFC 3261, 3262, 3263, 3264)
- RFC2543 compatible
- Session Timer (RFC4028)
- SDP (RFC2327)
- RTP/RTCP (RFC1889 and RFC1890)
- NAPTR for SIP URI Lookup (RFC2915)
- STUN (RFC 3489)
- ARP/RARP (RFC 826/903)
- SNTP (RFC2030)
- DHCP/PPPoE
- PPTP/L2TP VPN
- HTTP Server for Web Management
- TFTP/HTTP/HTTPS for auto Provisioning
- DNS/DNS SRV (RFC1706 and RFC 2782)
- IPv4 and IPv6 (Client/Server)
- TLS and SRTP

Applications

- NAT/NAPT router function
- MAC clone
- DHCP server
- DHCP client
- PPTP/L2TP VPN
- PPPoE
- Redundant SIP proxy
- Transversal NAT by STUN
- DMZ
- QoS with layer 3
- IP conflict detector

Physical characteristics

- Power adapter:
 - Input CA 110–220 V
 - Output CC 12 V / 1 A
- Connections:
 - Three RJ45 fast Ethernet 10/100 Mbps network ports (two LANs and one WAN)
 - Two FXS RJ11 ports
 - Maximum range of FXS cable: 1 km
- Equipment status LEDs
- Reset button
- Dimensions: 120x28x80 mm
- Weight: 140g (without packaging)

Other product images

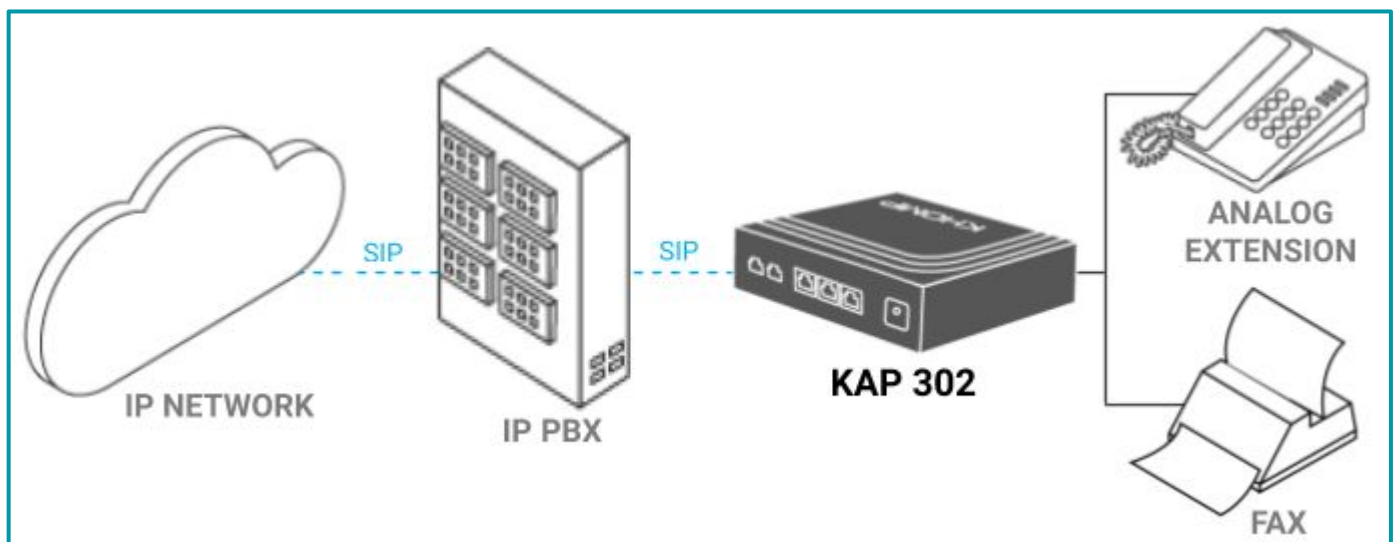


Front view with indicator LEDs.



Rear view with FXS ports, WAN and LAN ports, reset button and power supply input.

Application Model



IP PBX and multiple networks application model.



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