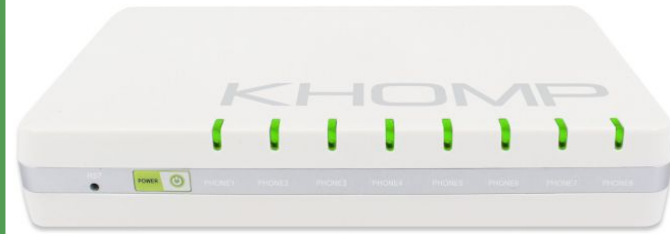**KHOMP**

Adapter for analog phones with eight FXS ports

Features

- Analog-digital voice signal converter
- Compatible with the SIP 2.0 standard
- WAN and LAN ports
- Option for independent registration by FXS channel
- Registration in different SIP servers
- Excellent voice quality
- Protection and security
- 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 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 208 has two Gigabit Ethernet ports. One of them is a dedicated WAN port for device and network management, while the other is a LAN port for connection to other devices.

User-friendly Web Interface

O KAP 208 possui Interface Web amigável para monitoração, configuração, diagnóstico e administração do sistema. Isso possibilita otimização de tempo e maior autonomia para o usuário.

Generation of Logs for diagnostics

Acesso aos Logs pela Interface Web, o que agiliza o diagnóstico de problemas e, consequentemente, a solução.

Technical specifications

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

Protocols
- SIP 2.0 (RFC 3261, 3262, 3263, 3264)
- RFC 2543 compatible
- Session Timer (RFC 4028)
- SDP (RFC 2327)
- RTP/RTCP (RFC 1889 and RFC 1890)
- NAPTR for SIP URI Lookup (RFC 2915)
- STUN (RFC 3489)
- ARP/RARP (RFC 826/903)
- SNTP (RFC 2030)
- DHCP/PPPoE
- PPTP/L2TP VPN
- HTTP Server for Web Management
- TFTP/HTTP/HTTPS for auto Provisioning
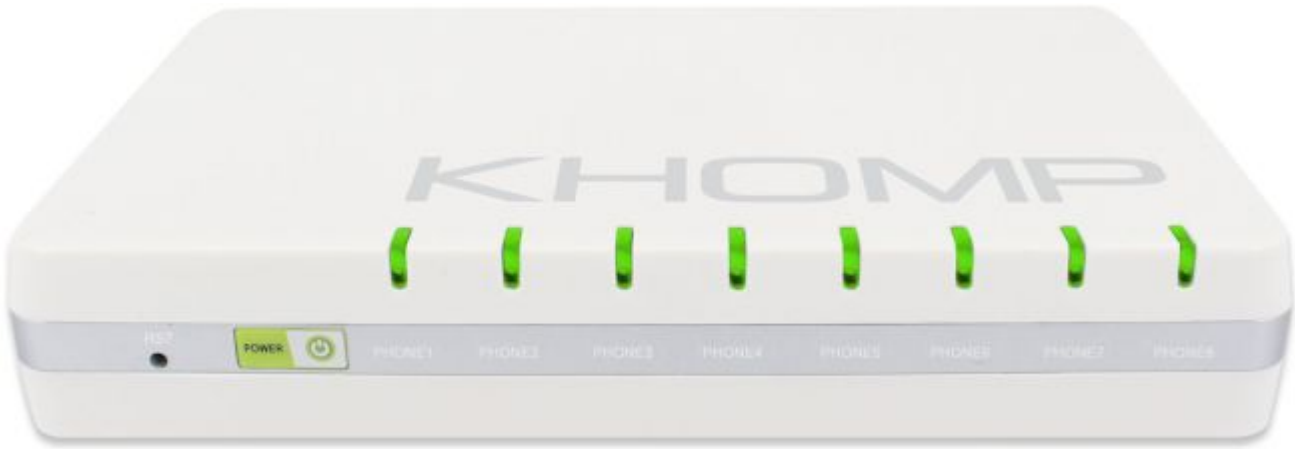- DNS/DNS SRV (RFC 1706 and RFC 2782)
- IPv4 and IPv6 (Client/Server)

Aplications
- 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
- OpenVPN suport

Physical characteristics
- Power adapter:
  - Input CA 110 ~ 220 V
  - Output CC 12 V / 3 A
- Connections:
  - Two RJ45 gigabit Ethernet 10/100/1000 Mbps network ports (one LAN and one WAN)
  - Eight FXS RJ11 ports
    - Maximum range of FXS cable: 1 km
- Equipment status LEDs
- Reset button
- Dimensions: 110x30x180 mm
- Weight: 140 g (without packaging)
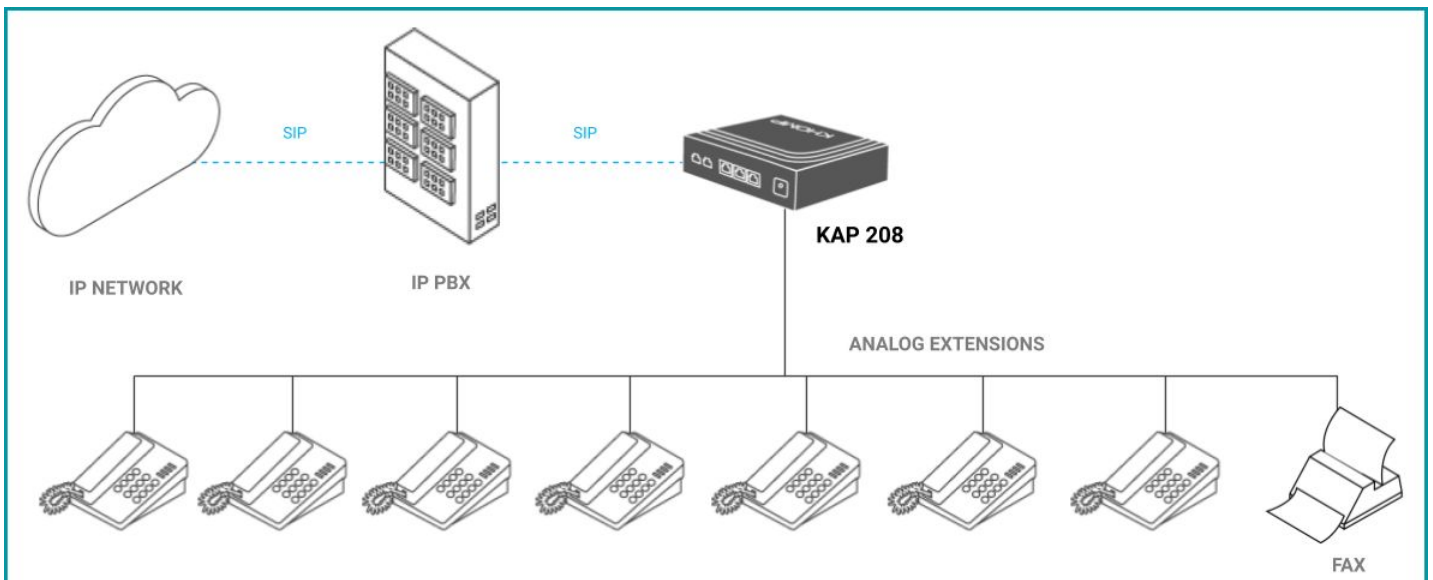
Other product images

Front view with reset button and indicator LEDs.

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

Application model

IP PBX and multiple networks application model.