48 FXS · SIP · ROUTER MODE

TAC600/48S

Enterprise 48 FXS VoIP Gateway for Analog Phones

Connects 48 analog phones and fax to your IP-PBX over SIP.

48 × FXS | SIP | 4 × GbE | 1U Rack



48 × FXS 12 × RJ45	**4 × GbE** WAN + 3 LAN	**SFP** Optional slot	**SIP** RFC 3261	**HD Voice** G.722, OPUS	**OpenVPN** Firewall	**Dual PSU** AC/DC opt.

DESCRIPTION

The **TAC600/48S** is an enterprise VoIP access gateway with 48 FXS lines on twelve RJ45 ports (1-to-4 split). It connects existing analog phones and fax machines to an IP-PBX, cloud PBX or IMS over SIP, with no need to replace phones, fax or cabling.

Every line supports caller ID, transfer, conference and T.38 fax, with OpenVPN and TR-069 for multi-site networks.

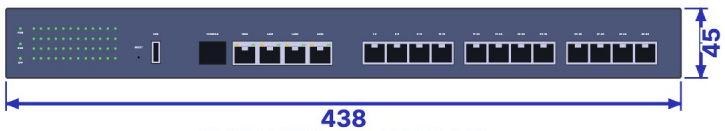
FEATURE

- 48 FXS lines on 12 RJ45 (1-to-4 split)
- Keeps legacy phones, fax and wiring
- FXS status LED for every line
- Caller ID, transfer, 3-way conference, DND
- HD voice (G.722, OPUS) and T.38 fax
- Analog line up to 5 km (10 km optional)
- 4 × GbE, optional SFP, router mode, VLAN
- Web, SSH, TR-069, SNMP, Syslog management

TECHNICAL SPECIFICATION

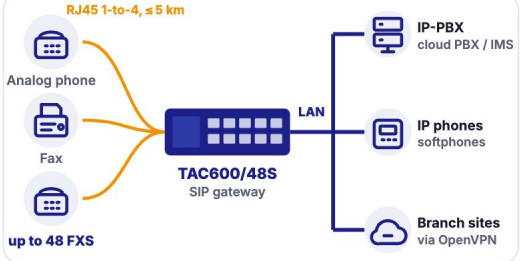
MODEL	TAC600/48S		
Product Type	48-port FXS VoIP gateway	**Mounting**	Desktop or 1U rack
FXS Ports	12 × RJ45, 1-to-4 split = 48 FXS	**Line Length**	5 km (10 km optional)
Network	WAN 1 × + LAN 3 × 10/100/1000M RJ45	**SFP**	1 × SFP slot (optional)
Other Ports	USB 2.0, console, reset	**Indicators**	PWR, SYS, SFP, 48 × FXS
FXS Signalling	DTMF / pulse dialing; caller ID DTMF / SFSK / MFSK; MWI HV lighting / FSK / polarity reversal; national tones		
FXS Adjustment	Port voltage, current and ringing; mic / speaker gain; polarity reversal signal; TxType 2; multiple timeouts		
Voice Services	Caller ID, call forward, transfer, 3-way conference, DND, hotline, direct IP dial, redial, dialing rules, IMS SIP		
Protocols	SIP (RFC 3261), SDP, RTP/RTCP, UDP/TCP/TLS, SRTP, T.38 / fax pass-through, DTMF RFC 2833 / in-band / INFO		
SIP Server	Backup server, outbound proxy, early media	**Security**	Firewall, ARP, DDoS, OpenVPN
Voice Codecs	G.711U/A, G.723, G.729, G.726, G.722, iLBC, OPUS; QoS: EC, VAD/CNG, jitter buffer, PLC, gain control		
Network Features	IPv4/IPv6, DHCP/PPPoE/VPNC, VLAN, DHCP server, NAT/DNS/IGMP, static/dynamic/policy routing, NTP, QoS		
Local Mgmt.	Web (HTTP/HTTPS), SSH / console, config import / export, PnP, firmware upgrade, packet capture, diagnostics, logs		
Remote Mgmt.	TR-069, SNMP, Syslog, firmware upgrade	**Reliability**	24/7, 99.999% success, 80,000 h MTBF
Power	AC 100–240 V, 2 A, 50–60 Hz; dual AC / DC 48 V optional; consumption 7–41 W		
Operating Temp.	0 °C to 45 °C, 10–90% RH	**Storage Temp.**	−20 °C to 80 °C
Dimension	438 × 236 × 45 mm (excl. rack ears)	**Net Weight**	< 3 kg

DIMENSION (mm)



FRONT VIEW · 1U · DEPTH 236

TOPOLOGY



APPLICATION

Campus & industrial | Business office | Cross-site networking | Hotel | Emergency comms

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