MODULAR FXS · SIP · CARRIER-GRADE

TAC1000/160S

Enterprise 160 FXS VoIP Gateway for Analog Phones

Connects up to 160 analog phones and fax to your IP-PBX.

160 × FXS | SIP | Quad-core | Modular



160 × FXS 5 slots	**Quad-core** 2.6 GHz	**8 GB RAM** 128 GB SSD	**2 × GbE** LAN	**SIP** RFC 3261, IMS	**HD Voice** G.722, OPUS	**Redundant** Board, PSU opt.

DESCRIPTION

The **TAC1000/160S** is a modular FXS VoIP gateway that connects existing analog phones and fax machines to an IP-PBX, cloud PBX or IMS over SIP, without replacing phones, fax or cabling. Capacity grows from 32 to 160 FXS ports in five slots.

A quad-core CPU keeps voice quality carrier-grade, with optional dual mainboard and PSU.

FEATURE

- Modular: 32 to 160 FXS ports in 5 slots
- Keeps legacy phones, fax and wiring
- Full call concurrency on all lines
- 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)
- Quad-core 2.6 GHz, 8 GB RAM, 128 GB SSD
- Dual mainboard and dual PSU (optional)

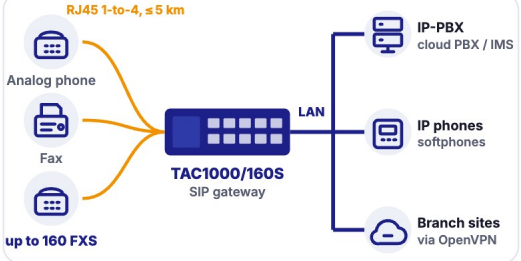
TECHNICAL SPECIFICATION

MODEL	TAC1000/160S		
Product Type	Modular FXS VoIP gateway	**Redundancy**	Dual mainboard, dual PSU (opt.)
FXS Capacity	32–160 ports (5 slots × 32)	**FXS Board**	32 FXS, 8 × RJ45 (1-to-4 split)
CPU	Quad-core, up to 2.6 GHz	**Memory**	8 GB RAM (32 GB), 128 GB SSD (2 TB)
Interfaces	2 × GbE RJ45, 4 × USB 2.0, HDMI, reset; slots: mSATA, PCIe M.2 (Wi-Fi), M.1 WLAN (4G / 5G), SIM		
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; TxType 2; timeouts; line 5 km (10 km opt.)		
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	**Indicators**	PWR, SSD, ERR, RUN
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		
Management	Web, SSH / console, PnP, config backup, upgrade, packet capture, diagnostics, logs; TR-069, SNMP, Syslog		
Security	Firewall, ARP, DDoS, OpenVPN	**Reliability**	24/7, 99.999% success, 80,000 h MTBF
Power	AC 100–240 V, 3.4 A, 50–60 Hz; dual AC / DC PSU optional; consumption 35–210 W		
Operating Temp.	0 °C to 45 °C, 10–90% RH	**Storage Temp.**	−20 °C to 80 °C
Dimension	485 × 290 × 70 mm, rack-mount (incl. ears)	**Net Weight**	< 6 kg

DIMENSION (mm)



TOPOLOGY



APPLICATION

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

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