

Mediant™ 500Li

Analog VoIP Gateway (Mediant™ 500Li)

The AudioCodes **Mediant 500Li analog VoIP gateway** offers service providers and enterprises superior voice technology for connecting legacy telephones, fax machines and PBX systems with IP telephony networks and IP-PBX systems.



Offering comprehensive SIP interoperability with leading softswitches and unified communications platforms, the Mediant 500Li delivers secure and reliable communications for small enterprises and branch office locations.

4 or 8 Analog Ports | Zero-Touch Provisioning | Branch Survivability | T.38 Fax Compliant



Comprehensive interoperability

Proven interoperability with SIP trunks, SIP platforms and IP cloud services



Integrated Session Border Controller (SBC) Capabilities

Integrated SBC for hosted VoIP solutions and branch survivability



Superior voice quality

Advanced capabilities for optimizing and monitoring voice service quality



Enhanced capabilities

Includes MWI, long haul, metering tones generation and caller ID



All-in-one option

Option to add data routing capabilities within the same device

Specifications*

Interfaces	
Telephony Interfaces	4/8 ports, FXS loop-start
Network Interfaces	WAN copper Ethernet 10/100/1000; LAN 10/100/1000Base-TX
Voice Features	
SBC Capacity	30 Signaling/Media Sessions 200 Registered Users
Voice Coders	G.711, G.723.1, G.729A, G.722, AMR-WB, AMR-NB, SILK-NB, SILK-WB, OPUS-NB, OPUS-WB
Echo Cancellation	G.165 and G.2002-168, with 64, 32 or 128 msec tail length
Fax Transport	T.38 compliant (real time fax), automatic bypass to PCM
Voice Security - Session Border Controller (SBC)	<ul style="list-style-type: none"> SIP header conversion, SIP normalization Survivability IP-to-IP routing translations of various SIP transport types; UDP, TCP, TLS, translation of RTP, SRTP Support SIP trunk with multi-ITSP (registrations to ITSPs are invoked independently) <ul style="list-style-type: none"> Topology hiding Call Admission Control Call black/white list
Analog Telephony Features	
3-Way Conference	On-board 3-way conference
MWI	Message Waiting Indication: High (neon) and low (LED) voltage, FSK, stutter dial tone
Caller ID	Bellcore GR-30-CORE Type 1 using Bell 202 FSK modulation, ETSI Type 1, NTT, Denmark, India, Brazil, United Kingdom and DTMF ETSI CID (ETS 300-659-1)
Polarity Reversal/Wink	Immediate or smooth to prevent erroneous ringing
Metering Tones	12/16 KHz sinusoidal bursts, generation on FXS
Distinctive Ringing	By frequency (15-100 Hz) and cadence patterns
Subscriber Line Interface	
Ring Voltage	Sine: 54 VRMS typical (balanced ringing only)
Ring Frequency	15-50Hz
Maximum Ringer Load	REN2
Loop Impedance	Up to 800 ohm (including phone impedance)
Line Current	Up to 25 mA on 4 ports
Control and Management	
Control Protocols	<ul style="list-style-type: none"> SIP-TCP, SIP-UDP, SIP-TLS and IPv6 supported
Operations & Management	<ul style="list-style-type: none"> AudioCodes' One Voice Operation Center Embedded HTTP Web Server, SNMP V2/V3, SSH, Telnet, TR-69, TR-098, TR-181, TR-104 User authentication and access control via HTTP or HTTPS, RADIUS, TACACS, Syslog (for events and alarms) Zero-touch provisioning
Optional Data Routing and Security	
Routing Functionality	<ul style="list-style-type: none"> IPv6, IPv6/IPv4 Dual Stack, ICMPv6, DHCPv6, SLAAC VLAN and IEEE 802.1Q VLAN tagging DHCP client, relay, server Layer 3 routing and layer 2 bridging, jumbo frames Static and dynamic routing (RIP1, RIP2, OSPFv2, BGP), policy-based routing
Data Security	<ul style="list-style-type: none"> Stateful packet inspection firewall Network Access Control - 802.1x IPSec with IKEv2 ESP - Tunnel mode Encryption protocols: 3DES, AES, SHA-256, MD-5 <ul style="list-style-type: none"> IDS/IPS (fragmented traffic, malformed request, ping of death, properly formed request from unauthenticated source, DDoS attack, SYN flood) DMZ host Packet filtering
Quality of Service	<ul style="list-style-type: none"> IEEE 802.1P, DSCP, TOS, DiffServ labeling, WRED, Marking, policing, and shaping, class-based queuing with prioritization, queuing based on VLAN
Physical/Environmental	
Dimensions, Weight	43.7 (1U) x 310 x 210 mm (HxWxD), 4.4 lb (2.0kg)
Mounting	Desktop or 19" rack mount
Power	100-240V, 50-60 Hz, 0.8A

* For specific configuration availability please contact an AudioCodes sales representative



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