

Mediant™ 500Li

Multi-Service Business Router

The AudioCodes **Mediant™ 500Li** is a robust, all-in-one router combining access, data, voice and security in a single device. It is an ideal product for service providers looking to provide managed data, SIP trunking and hosted VoIP solutions to small businesses and branch offices.

Designed specifically to meet the increasing data and voice needs of SOHOs and SMBs, the Mediant™ 500Li supports consistent high performance across all access technologies, allowing end customers to get the most from their broadband connections.



4 WAN Interfaces | 8 TDM Sessions | 8 LAN Interfaces | Integrated Wi-Fi | 1Gbps Performance



High Performance

Powerful routing up to 1Gbps with IMIX traffic



Multiple WAN Options

Multiple WAN connections with redundancy for survivability: Giga Ethernet copper and fiber, VDSL supervectoring (profile 35b) and integrated 4G/LTE modem



Integrated Session Border Controller (SBC) and PSTN Interfaces

Analog and digital voice interfaces for legacy voice equipment connectivity, as well as integrated SBC for hosted VoIP solutions



All-in-one Functionality

Integrated Wi-Fi and Power over Ethernet options

Specifications*

Networking Interfaces	
WAN	Multi WAN: copper Ethernet 10/100/1000; fiber (SFP), xDSL - ADSL2+ over POTS or ISDN, VDSL2, VDSL 35b; Cellular 4G/LTE as embedded modem or USB dongle
LAN	4 (default) or 8 ports 10/100/1000Base-TX with optional PoE 802.3af
Wi-Fi	Wi-Fi access point support for 802.11n 2.4G
TDM Interfaces	
Digital Interfaces	Up to 4 BRI ports
Analog Interfaces	Up to 8 FXS
Analog/Digital Interfaces	2 FXS and 2 BRI configuration
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
Data Routing	
Routing functionality	<ul style="list-style-type: none"> • PPP, MLPPP, PPPoE, PPPoA, L2TP, IPoE, IPoAATM: Up to 8 PVCs • OAM-F5 (send/receive): loopback, continuity check • DHCP client, relay, server • VLAN and IEEE 802.1Q VLAN tagging • Layer 3 routing and layer 2 bridging, jumbo frames
	<ul style="list-style-type: none"> • Internal layer 2 switching • Static and dynamic routing (RIP1, RIP2, OSPFv2, BGP), policy-based routing • Multicast routing: IGMPv2 • IPv6, IPv6/IPv4 Dual Stack, ICMPv6, DHCPv6, SLAAC
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
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
Security	
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
Data Security	<ul style="list-style-type: none"> • IPSec with IKEv2 • ESP – Tunnel mode • Encryption protocols: 3DES, AES, SHA-256, MD-5 • IDS/IPS (fragmented traffic, malformed request, ping of death, properly formed request from unauthenticated source, DDoS attack, SYN flood)
	<ul style="list-style-type: none"> • Stateful packet inspection firewall • DMZ host • Packet filtering • Network Access Control - 802.1x
Physical/Environmental	
Dimensions, Weight	51 x 296 x 160 mm (HxWxD), 1.5 lb (670g)
Mounting	Desktop or 19" rack mount
Power	100-240V, 50-60 Hz, 36W

* For specific configuration availability please contact an AudioCodes sales representative



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