

# AudioCodes Multi-Service Business Router Family

All-in-one integrated routers with Access, Data, Voice and Security



Mediant 500Li MSBR



Mediant 500L MSBR



Mediant 500 MSBR



Mediant 800 MSBR

- Consistent high performance with up to 1Gbps with IMIX traffic
- Perfectly suited for SIP trunking, hosted PBX and data cloud services
- Scalable and cost-effective solutions for SOHO, SMB, SME and branch offices
- Multiple WAN connections with redundancy: Giga Ethernet copper and fiber, VDSL supervectoring (profile 35b) and integrated 4G/LTE modem
- Survivability and resilience for business voice and data services

## Consistent Performance

The MSBR is designed to meet service providers' demands for providing data and voice services with consistent high performance and up to 1 Gbps speed as their customers migrate their infrastructure to hosted and cloud-based services.

## Multiple WAN

The MSBR is equipped with multiple WAN interfaces including copper and fiber Ethernet, xDSL and mobile 4G. With up to 4 redundant WAN interfaces, the MSBR allows service providers to provide their business customers with an essential "always-on" internet connection that will ensure business continuity in case of connection loss.

## Survivability and Resilience

The MSBR enables guaranteed voice services to SMB customers. Using the built-in AudioCodes SBC application, the MSBR ensures that critical business telephony services continue operation, routing outgoing calls to the backup PSTN connection. The MSBR also maintains internal business telephony in cases of WAN failure or connection loss with the hosted or cloud-based PBX or unified communications platform.

## Data & Voice High Quality

Integration with AudioCodes' One Voice Operations Center (OVOC) offers service providers a complete insight into the condition of their VoIP networks, enabling early detection of potential QoS issues. Data provided by OVOC enables problems to be resolved promptly before service degradation occurs.

## Scalable Hardware

The MSBR family includes a range of cost-effective products to match end-customer characteristics and size such as SOHO, teleworkers, SMB and branch offices. The MSBR's scalable hardware enables service providers to upgrade customers to new services and interfaces without needing to replace existing devices.

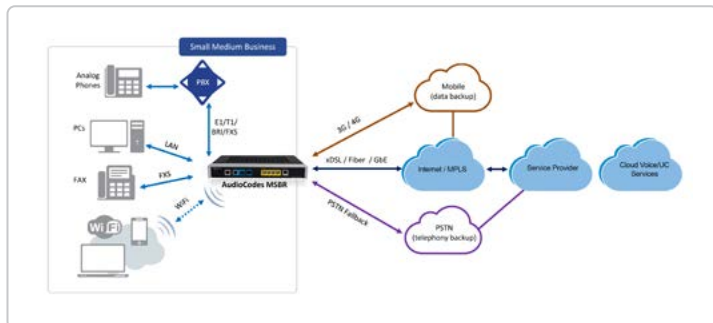
## Modular Software

The MSBR's modular software allows easy activation of new services operating on the same hardware. This enables service providers to easily migrate their end-customers from basic services to more advanced revenue-generating services such as cloud applications, without needing to replace on-premises equipment.



## Converged Data and Voice Managed Services

The MSBR is an ideal solution for service providers deploying converged data and voice managed services and is perfectly suited for SIP trunking and cloud-based VoIP or unified communications solutions.



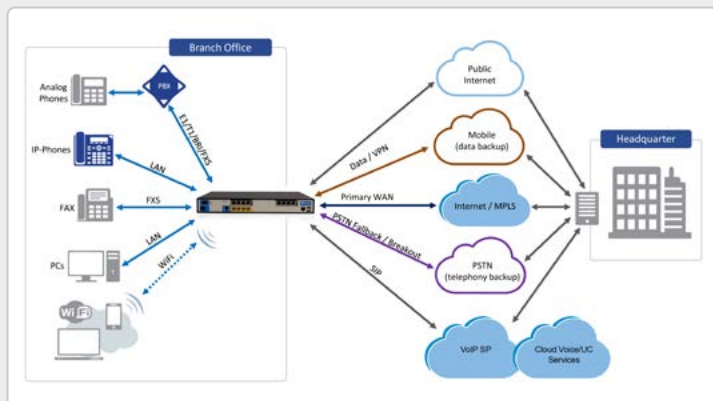
- High performance routing, switching, QoS and voice services in a one-box solution
- Multiple WAN connections (DSL, Copper and Fiber Ethernet, Mobile 3G/4G)
- Gigabit Ethernet LAN interfaces with Wi-Fi support
- Digital and analog voice interface (E1/T1/BRI/FXS/FXO)
- Session Border Controller (SBC) with proven interoperability
- Business data and voice continuity support in cases of WAN failure or connection loss with the cloud-based VoIPX or unified communications solution

## SIP Trunking Services

Integrated with AudioCodes SIP Trunking connectivity capabilities, the MSBR offers a robust set of high quality voice features, support for SIP protocols, a wide variety of codecs, and built-in analog and digital interfaces.

## Deploying Branch Office Data and Voice Services

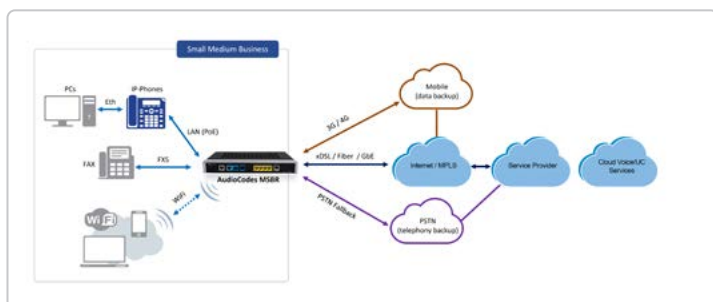
The MSBR is a perfect solution for small branch offices that need to connect to larger enterprise networks.



- Secure connection between HQ and branch using private MPLS network and/or VPN
- Protect business networks with integrated security such as firewall and intrusion prevention
- Redundant WAN links help ensure business continuity if primary broadband link fails
- Voice services collaboration with HQ via SIP trunking and/or cloud-based VoIP or unified communications solutions
- Maintain operational voice services in cases of WAN link failure through the PSTN fallback

## Cloud Voice and Unified Communications Services

Integrated with AudioCodes SBC software, the MSBR allows seamless connection of SIP phones to service providers' cloud voice or unified communications services. Using AudioCodes' Cloud Resilience Package, the MSBR ensures uninterrupted communications in the event of connection loss with the cloud provider's control systems and thus alleviates concerns of businesses considering a move to the cloud.



- Seamless migration from SIP trunking to hosted VoIP/UC
- Redundant WAN links help ensure business continuity if primary broadband link fails
- Voice quality demarcation device for OTT (Over The Top)
- simple management of end devices (IP Phone, ATA)

Feature Comparison	Mediant 500Li	Mediant 500L	Mediant 500	Mediant 800
<b>WAN</b>				
WAN Access Types	GE (Copper), SFP (Fiber), ADSL/VDSL 35b, 4G LTE CAT6 or CAT6 internal modem	GE (Copper), SFP (Fiber), ADSL 2+/VDSL2 vectoring, 4G LTE CAT4 internal modem	GE (Copper), SFP (Fiber), ADSL 2+/VDSL2 vectoring, SHDSL	GE (Copper), SFP (Fiber), ADSL 2+/VDSL2 vectoring, 4G LTE CAT4 internal modem, SHDSL, T1WAN,
Max. WAN Ports	Up to 4	Up to 4	Up to 4	Up to 4
<b>LAN</b>				
LAN Ports	4GE or 8GE	4GE or 8GE	4GE	4GE or 4GE and 8FE
PoE	-	✓	-	✓
Wi-Fi	✓	-	-	-
<b>TDM</b>				
TDM interfaces	8 FXS /BRI	8 FXS/FXO/BRI	1 E1/T1 FXS/FXO/BRI	4 E1/T1 12 FXS/FXO/BRI
Max. Voice Channels	8	8	30	120
SBC capacity	30	60	200* sessions	200* sessions
Registrations	100	200	600*	600*
<b>Data</b>				
L3 Routing	✓	✓	✓	✓
Integrated Firewall	✓	✓	✓	✓
VPN	✓	✓	✓	✓
Priority Queuing and Tagging	✓	✓	✓	✓
DHCP Server	200 clients	300 clients	500/600 clients	600 clients
<b>Performance</b>				
RFC 2544-Based Performance	2MPPS	84KPPS	196KPPS*	196KPPS*
L3 IMIX throughput (75% CPU, with NAT, Firewall)	1 Gbps	207Mbps	345Mbps	480Mbps
<b>Resilience &amp; Backup</b>				
Multiple WAN connection	✓	✓	✓	✓
3G/4G Backup	Embedded LTE modem	Embedded LTE modem or via USB dongle	via USB dongle	Embedded LTE modem or via USB dongle
PSTN Survivability with SBC	✓	✓	✓	✓
<b>Management</b>				
CLI/Telnet/SSH, TR-069, SNMP-2/3, Web (voice), EMS, TFTP, FTP, HTTP, Auto-Update, Zero-touch provisioning, RADIUS, TACACS+				
<b>Troubleshooting</b>				
SIP Test Call, One Voice Operations Center (OVOC), Network Quality Monitoring, NetFlow, Syslog, CLI statistics, internal storage for Syslog, LAN / WAN packet capture to Wire-shark, saving / loading configuration and firmware on USB stick, debug recording				

\*For specific configurations

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