

# AudioCodes Multi-Service Business Router Family

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



Mediant 500L MSBR



Mediant 500 MSBR



Mediant 800 MSBR

- All-in-One integrated routers with Access, Data, Voice and Security
- Perfectly suited for SIP trunking, hosted PBX and data cloud services
- Scalable and cost-effective solutions for SOHO, SMB, SME and branch offices
- Consistent high performance with multi-core architecture
- Survivability and resilience for business voice and data services

## Consistent Performance

With a unique multi-core architecture, the MSBR is designed to meet service providers' demands for providing data and voice services with predictable and consistent performance. By using dedicated CPUs for data and voice, the MSBR ensures that heavy tasks such as firewall, SBC, and routing have a minimal effect on the overall performance.

## Multiple WAN

The MSBR is equipped with multiple WAN interfaces including copper and fiber Ethernet, xDSL and Mobile 3G/4G. With up to 3 redundant WAN interfaces, the MSBR allows service providers to provide their business customers 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 AudioCodes Standalone Survivability (SAS) and Cloud Resilience Package (CRP), the MSBR ensures that critical business telephony services continue operation, routing the outgoing calls to the backup PSTN. The MSBR also maintains internal business telephony in cases of WAN failure or connection loss with the hosted PBX.

## Data & Voice High Quality

Integration with AudioCodes' Session Experience Manager (SEM) offers service providers a complete insight to the condition of their VoIP networks, enabling early detection of potential QoS issues. Data provided by SEM 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

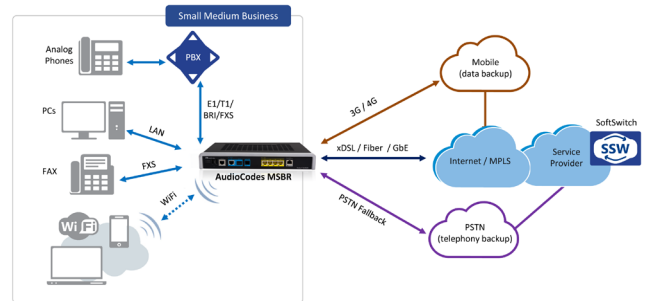
The MSBR's modular software allows easy activation of new services operating on the same hardware. This enables service providers to easily migrate their end-customers from basic services to more advanced revenue-generating services such as cloud applications, without needing to replace on-premises equipment.



## 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 hosted PBX services.

- 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 and Fast Ethernet LAN interfaces with WiFi 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 hosted PBX



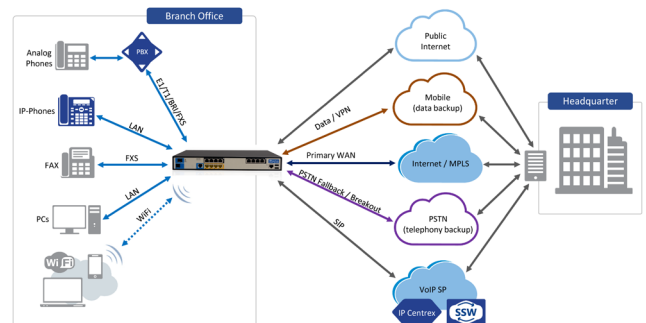
## SIP Trunking Services

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.

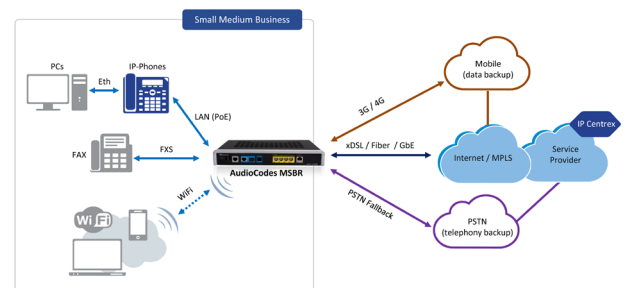
- Secure connection between HQ and branch using private MPLS network and/or VPN
- Protect business networks with integrated security such as firewall and intrusion prevention
- Redundant WAN links help ensure business continuity if primary broadband link fails
- Voice services collaboration with HQ via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



## Hosted PBX Services

Integrated with AudioCodes SBC software, the MSBR allows seamless connection of SIP phones to service providers' hosted PBX 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
- Redundant WAN links help ensure business continuity if primary broadband link fails
- Voice quality demarcation device for OTT (Over The Top)
- Easy and simple management of end devices (IP Phone, ATA)



MSBR Feature Comparison	Mediant 500L	Mediant 500	Mediant 800
<b>WAN</b>			
WAN Access Types	GE (Copper), ADSL 2+/VDSL2 vectoring, SHDSL, SFP (Fiber), 3G/4G	GE (Copper) ADSL 2+/VDSL2 vectoring, SHDSL SFP (Fiber) 3G/4G	GE (Copper) ADSL 2+/VDSL2 vectoring, SHDSL SFP (Fiber) 3G/4G 4 T1/E1
WAN Ports	Up to 3	Up to 3	Up to 3
<b>LAN</b>			
LAN Ports	4GE or 8GE	4 GE	Up to 8 FE and 4 GE
PoE	✓	-	✓
Wi-Fi 802.11a/b/g/n option	✓	✓	✓
<b>TDM</b>			
TDM interfaces	FXS/FXO/BRI	E1/T1 FXS/FXO/BRI	E1/T1 FXS/FXO/BRI
Max. Voice Channels	8	8 / 30	120
SBC capacity	60	200* sessions	200* sessions
Registrations	200	600*	600*
<b>Data</b>			
L3 Routing	✓	✓	✓
Integrated Firewall	✓	✓	✓
VPN	✓	✓	✓
Priority Queuing and Tagging	✓	✓	✓
DHCP Server	300 clients	500/600 clients	600 clients
<b>Performance</b>			
Separate Cores for VoIP & Data	✓	✓	✓
Performance	84KPPS	196KPPS*	196KPPS*
<b>Resilience &amp; Backup</b>			
Multiple WAN connection	✓	✓	✓
3G/4G Backup	✓	✓	✓
PSTN Survivability	✓	✓	✓
Cloud Resilience Package	✓	✓	✓
<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, Session Experience Manager (SEM), Network Quality Monitoring, NetFlow, Syslog, CLI statistics, internal storage for Syslog, LAN / WAN packet capture to Wireshark, saving / loading configuration and firmware on USB stick, debug recording			

\*For specific configurations

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