

AUDIOCODES SOLUTIONS FOR OPEN IP-PBX DEPLOYMENTS

Media Gateway Comparison



Features	Mediant™ 800	Mediant™ 1000	MediaPack™ 11x
Device Function	Application Hosting, VoIP Media Gateway, MSBG, E-SBC	Application Hosting, VoIP Media Gateway MSBG, E-SBC	Analog Gateway
PSTN Voice Channel (Max)	30	120	24
Maximum E-SBC Sessions	50	150	-
Telephony interfaces	Up to 12 FXS/FXO ports Up to 4 BRI ports (8 calls) Single E1/T1 trunk	A mix of: Up to 24 FXS/FXO ports, Up to 20 BRI ports (40 calls), Up to 4 E1/T1 trunks	FXS/FXO Up to 24 FXS or 8 FXO ports
Modularity	Fixed	Modular and field upgradable	Fixed
Scalability	-	Starting from 2 and growing up to 120 concurrent calls	Starting from 2 and growing up to 24 concurrent calls
Redundancy	Dual redundant 10/100 Ethernet ports	Dual redundant 10/100 Ethernet ports and 1+1 power supplies	-
HD VoIP Support	Yes	Yes	-
Branch Office Survivability	Yes	Yes	Yes
OSN Server Platform Configurations (Optional)	2 available configurations based on: • Intel Atom 1.6 GHz • Intel Dual Core 1.86 GHz	3 available configurations based on: • Intel Celeron 600 Mhz • Intel Pentium M 1.4 GHz • Intel Core 2 Duo	-
Integrated Data capabilities	WAN access, Data Routing, Data security (on MSBG)	WAN access, Data Routing, Data security (on MSBG)	-
LAN Interfaces	Up to 8 10/100 Base-TX and 4 10/100/1000 Base-T PoE LAN ports	3 ports 10/100/1000Base-T	10/100 BASE-TX
PoE Support	Yes	-	-
WAN Interfaces	10/100/1000 Base-T Copper T1, SHDSL, ADSL2+, VDSL, 3G Wireless WAN	10/100/1000Base-T, 1000Base-SX/LX, T1 DSU/CSU, SHDSL, ADSL2+*, VDSL*	-
Data Security	Yes	Yes	Yes

SIP Endpoint Comparison



Features	310HD IP Phone	320HD IP Phone	Mobility SIP Client
Device Function	Entry Level IP Business Phone	Mid-range IP Business Phone	SIP Client for Smartphone, PC, and web
Lines	1-line IP Phone with up to 2 concurrent calls per line	4-line IP Phone with up to 2 concurrent calls per line	-
Display	2x16 Character LCD display with backlight	132x64 Graphic LCD Display	Simple and intuitive UI, Full Touchscreen Support on supporting platforms
Common Telephone Features	Menu and Menu navigation, Voicemail, Volume, Transfer, Mute, Hold, Redial, Headset and Full Duplex Speakerphone	Hold, Redial, Volume, Speakerphone Support, Support for Audio Routing to Earpiece	Hold, Redial, Volume, Speakerphone Support, Support for Audio Routing to Earpiece
Busy Lamp Field	-	12 Speed Dial BLF Keys	-
Supplementary Features	Call Waiting, Call Hold, Call Transfer, Call Forward, 3-Way Conference (local mix and network 3 way conference), Hot Line, DND, Mute, Speed Dial, Dial Plan, CWRR, Call Logs, Auto Answer via TALK event, Call Pickup	Call Hold, Mute, Click-to-Dial from Personal Contact List and Call Log, Ring tone selection for VoIP, SMS over IP support, Presence*, Instant Messaging*	Client dependent
Directory Integration	LDAP	LDAP	Client dependent
HDVoIP Support	Yes	Yes	Yes*
PoE Support (Optional)	Yes	Yes	-
Security	Yes	Yes	Yes

*Future release

About AudioCodes

AudioCodes Ltd. (NasdaqGS: AUCD) designs, develops and sells advanced Voice over IP (VoIP) and converged VoIP and Data networking products and applications to Service Providers and Enterprises. AudioCodes is a VoIP technology market leader focused on converged VoIP & data communications and its products are deployed globally in Broadband, Mobile, Enterprise networks and Cable. The company provides a range of innovative, cost-effective products including Media Gateways, Multi-Service Business Gateways, Session Border Controllers (SBC), Residential Gateways, IP Phones, Media Servers and Value Added Applications. AudioCodes' underlying technology, VoIPerfectHD™, relies on AudioCodes' leadership in DSP, voice coding and voice processing technologies. AudioCodes High Definition (HD) VoIP technologies and products provide enhanced intelligibility and a better end user communication experience in Voice communications.



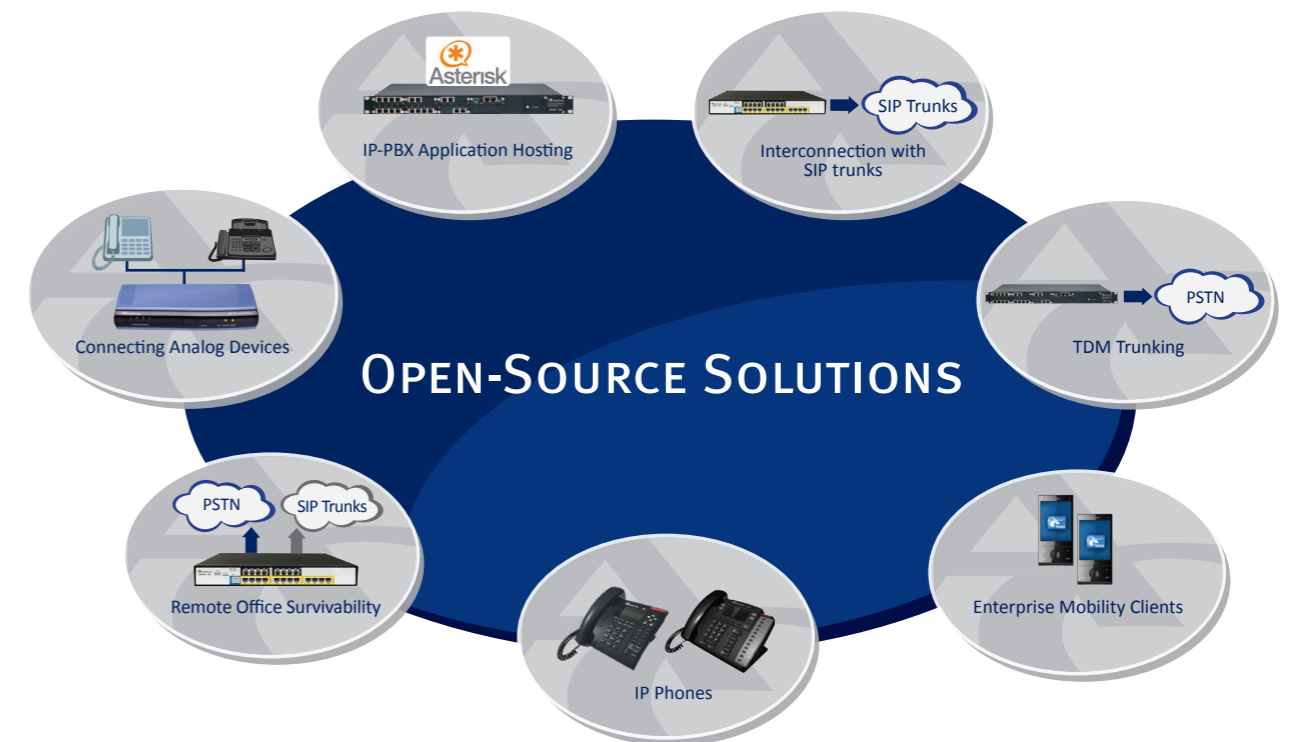
International Headquarters
1 Hayarden Street,
Airport City
Lod 70151, Israel
Tel: +972-3-976-4000
Fax: +972-3-976-4040

AudioCodes Inc.
27 World's Fair Drive,
Somerset, NJ 08873
Tel: +1-732-469-0880
Fax: +1-732-496-2298

Contact us: www.audiocodes.com/info
Website: www.audiocodes.com

©2012 AudioCodes Ltd. All rights reserved. AudioCodes, AC, HD VoIP, HD VoIP Sounds Better, IPmedia, Mediant, MediaPack, OSN, SmartTAP, VMAS, VoIPerfect, VoIPerfectHD, Your Gateway To VoIP and 3GX are trademarks or registered trademarks of AudioCodes Limited. All other products or trademarks are property of their respective owners. Product specifications are subject to change without notice.

Ref # LTRM-20083 01/12 V.1



In today's enterprise markets, more and more companies are deploying open-source IP-PBXs, such as Asterisk, and other SIP-based communications servers in their networks. AudioCodes offers a comprehensive range of field-proven and reliable VoIP products to complement any enterprise VoIP deployment. With a strong emphasis on flexibility and interoperability, AudioCodes is the single-source supplier of VoIP network products for developers, system integrators and resellers of open enterprise VoIP systems.

- **Application Hosting Platforms** leading to cost savings and footprint reduction
- **Enterprise Session Border Controllers** for SIP Trunking, interoperability and protocol mediation
- **Multi-Service Business Gateways** integrating VoIP Gateway and Data Networking on a single platform
- **IP Phones and Mobile Clients** supporting HD VoIP
- **Trunk Media Gateways** for interconnectivity with digital PBXs and the PSTN
- **Analog Gateways** providing VoIP connectivity for legacy equipment and branch office survivability

ROBUST PLATFORMS FOR HOSTING IP-PBX APPLICATIONS

AudioCodes offers two platforms for hosting IP-PBX applications: the Mediant 1000 and Mediant 800. Both platforms are available as pure VoIP gateways or as Multi-Service Business Gateway (MSBG) devices with additional Enterprise Session Border Controller (E-SBC) functionality and data networking capabilities.

BUILT-IN SERVER MODULE ENABLES INTEGRATED IP-PBX SOLUTIONS

AudioCodes Mediant 800 and 1000 MSBG products extend the flexibility of the Multi-Service Business Gateway with the built-in Open Solution Network (OSN) server option.

The OSN module is a fully-fledged server based on an Intel processor which resides on the Mediant MSBG platform. Independent Software Vendors and OEM customers can utilize the OSN to host their own applications saving on costly hardware, reducing equipment footprint and minimizing integration headaches.

CONNECT TO THE PSTN WITH TRUNK MEDIA GATEWAYS

Interconnectivity with the PSTN is still a necessity for enterprise VoIP deployments, including fallback to the PSTN to ensure continuous service when the external VoIP connections are interrupted.

AudioCodes Trunk Media Gateways provide the essential interface between VoIP networks and the PSTN. They support a wide variety of digital and analog telephony interfaces (E1/T1, BRI, FXO/FXS) with flexible density options to suit any deployment. AudioCodes underlying voice processing technology ensures exceptionally high levels of voice quality.

ENTERPRISE SESSION BORDER CONTROLLERS FOR FLEXIBLE SIP TRUNKING

The AudioCodes family of Enterprise Session Border Controllers (E-SBCs) represents the critical demarcation point between the enterprise VoIP network and the SIP trunking service provider domain.

AudioCodes E-SBC products have proven interoperability with leading IP-PBX vendors and major SIP Trunking providers, ensuring that SIP trunks can be deployed quickly and with minimal effort.

E-SBC functionality is supported on AudioCodes Media Gateways and MSBGs via an additional software license, or as a standalone platform.

MULTI-SERVICE BUSINESS GATEWAYS – INTEGRATED VOICE AND DATA ON A SINGLE PLATFORM

AudioCodes Multi-Service Business Gateways (MSBG) represent an all-in-one multi-service access solution, especially suited to distributed enterprise deployments.

AudioCodes MSBGs are based on AudioCodes highly interoperable Media Gateway platforms which support a mix of digital and analog interfaces, strong voice processing capabilities and SIP protocol mediation.

AudioCodes MSBG products are optimized for wire-speed delivery of data services, supporting multiple LAN ports with an integrated switch module enabling support for IP phones and other PoE-powered devices. The MSBGs are equipped with a versatile WAN interface supporting copper and optical Ethernet, and a selection of serial data transmission interfaces. Data routing capabilities are provided by static as well as dynamic routing protocols.

REDUCE PROCESSING LOAD WITH A BUILT-IN DSP FARM

To minimize the extra processing demands of DSP intensive applications, AudioCodes platforms support an advanced, on-board DSP Resource Farm. This enables the implementation of narrowband and wideband High Definition VoIP (HD VoIP) media processing services, such as announcements, recording, IVR, conferencing and transcoding, all controlled by standard protocols (e.g. SIP and MSCML).

ENTERPRISE IP PHONES WITH HD VoIP SUPPORT

The AudioCodes 300HD Series of High Definition (HD) IP Phones includes a number of models, each suited to the requirements of different types of business users. All models support HD VoIP with Power over Ethernet as an option. With full SIP support, the 300HD Series IP Phones can integrate with a wide range of IP-PBXs, softswitches and other SIP-based application servers, including full interoperability with Asterisk.

ENHANCED VOICE QUALITY WITH HD VoIP

AudioCodes High Definition VoIP - HDVoIP - technology is embedded in a wide range of feature-rich and scalable products. AudioCodes Gateways, IP Phones, and soft clients enable true HD transcoding between different wideband coders (i.e. G.722, AMR-WB and Microsoft RTA) resulting in wideband voice quality end-to-end and an enhanced user experience.

SIP-BASED MOBILE CLIENTS ENABLE END-USER MOBILITY

The AudioCodes Enterprise Mobility SIP Client enables employees to connect to the IP-PBX via their smartphone device, PC or web browser. By configuring the clients as VoIP extensions of the business IP-PBX, workers can appear as connected to the IP-PBX even when on the road. AudioCodes Mobility Clients are available for most popular smartphone operating systems, including Apple iOS and Google Android.

SEAMLESS INTEROPERABILITY WITH SIP DEVICES AND APPLICATIONS

With over fifteen years of experience developing and deploying complex VoIP products and solutions, AudioCodes understands the need for strong interoperability between different elements in the network.

The AudioCodes SIP Mediation Gateway function translates between the different SIP variants implemented in SIP endpoints, IP-PBXs and the service provider network, allowing for a smooth and successful SIP trunk roll-out.

ANALOG GATEWAYS ENABLE SMOOTH MIGRATION TO VOIP

AudioCodes analog media gateways enable legacy telephone and fax equipment to be connected seamlessly to the new IP based communications network. They provide full support for the SIP protocol enabling interoperability with IP-PBXs and

other SIP application servers and are available in a variety of port densities. They are all based on AudioCodes field-proven VoIP technology, resulting in exceptional voice quality and reliability.

BRANCH OFFICE SURVIVABILITY

AudioCodes standalone survivability (SAS) agent embedded in its media gateways ensures that basic communications can be maintained at a remote office even when the link to the main IP-PBX is lost. In such circumstances, SIP endpoints at the remote office register with the SAS agent enabling calls between users at the remote office to continue. In addition, external calls can be rerouted over the PSTN.

AUDIOCODES PRIVATE LABELING OPPORTUNITIES

AudioCodes is a leading supplier to global telecom OEM vendors. Solid experience in supporting OEM models allows AudioCodes to provide OEM vendors, large Systems Integrators and Service Providers with important services such as full private labeling of gateway hardware and software (management interface).

