AudioCodes Mediant Gateways enable Microsoft Unified Communications

- Simultaneous support of PBX connections to Microsoft Exchange Server 2007 & Microsoft Office Communications Server 2007
- Employs AudioCodes VoIPerfect™ technology for outstanding voice quality, and high performance speech recognition within the Microsoft environment
- Scalable "pay-as-you-grow" modular architecture
- Mix and Match rich offering of digital (E1/T1/J1) and analog (FXS/FXO) interfaces
- Wide Homologation base
- Wide range of supported PSTN signaling protocol flavors
- High level of interoperability with various commercially available legacy PBXs & business telephony equipment
- Enables cost effective migration from a legacy PBX network to a pure IP Unified Communications Architecture, using the same gateway

AudioCodes has collaborated with Microsoft to provide enterprises a smooth migration from the world of separated telephony and IT environments, to the world of Unified Communications.

AudioCodes offers the enterprise customer a key component in the unified telephony network – the Media Gateway - which connects the existing legacy telephony PBX with Microsoft Exchange Server 2007 & Microsoft Office Communications Server 2007.

The AudioCodes Mediant™ Media Gateways are cost-effective VoIP media gateways utilizing cutting edge technology. Intelligently packaged in a stackable 1U chassis they are designed to interface between Enterprise legacy telephony & IP networks

Scale Up As Your Business Grows

The Mediant™ 1000 corresponds with the density requirements for smaller locations while meeting enterprise demands for scalability. The compact Mediant 1000 Modular Gateway is extremely scalable and supports multiples of 1, 2, or 4 E1/T1/J1 spans, and/or 1 to 24 analog ports in various FXO/FXS configurations. The Mediant 1000 also supports mixed digital/analog configurations.

The Mediant™ 2000 VoIP Gateway answers the density requirements for bigger locations while meeting Enterprise demands for scalability. The compact Mediant 2000 VoIP Gateway scales from 1 to 16 E1/T1/J1 spans in a 1U chassis and provides a best-of-breed mediation solution for enterprises.

Support of Microsoft Exchange Server 2007 & Microsoft Office Communications Server 2007

The Mediant™ Media Gateways can support the connection to legacy PBXs and PSTN, both for Exchange Server 2007 Unified Messaging deployments and Office Communications Server 2007 deployments. Enterprises can smoothly migrate from isolated telephony and IT environments, and connect their legacy PBXs to the Microsoft Exchange Server 2007 as well as to the Microsoft Office Communications Server 2007, allowing full implementations of Unified Messaging and Unified Communications in the enterprise. Ultimately, the organization can migrate to a pure-IP environment, using the Office Communications Server 2007 as the communications platform, connecting to the PSTN via the AudioCodes Mediant™ Media Gateways.

How to Order?

AudioCodes Mediant™ Media Gateways are available globally, have been tested for interoperability with many legacy PBXs and homologated in over 75 countries worldwide.

AudioCodes Media Gateways are provided with a 12 month hardware warranty.

A list of worldwide AudioCodes channels, interoperable PBXs and countries with PSTN homologation is available on the AudioCodes website Microsoft resource page: www.audiocodes.com/microsoft

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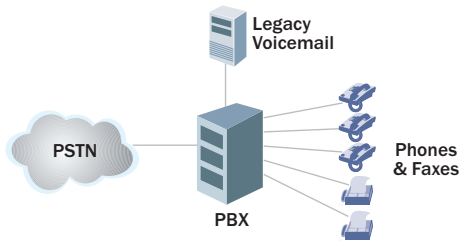
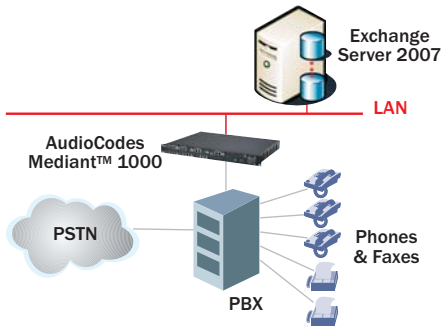
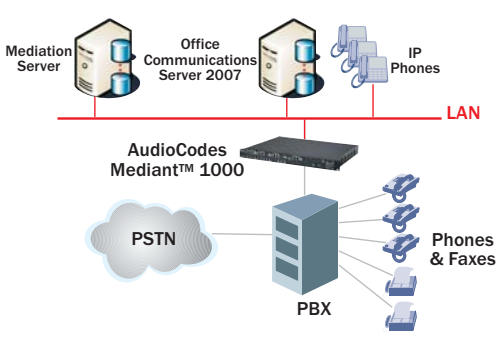
Legacy Telephony



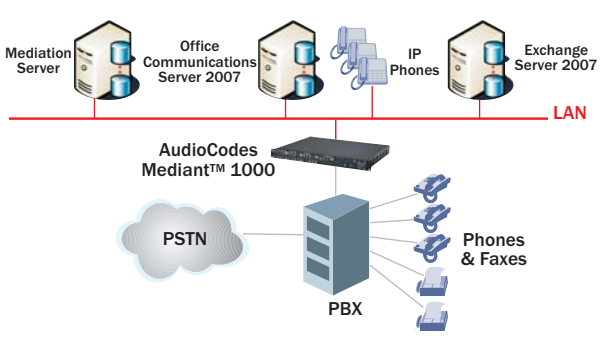
Exchange Server 2007 UM



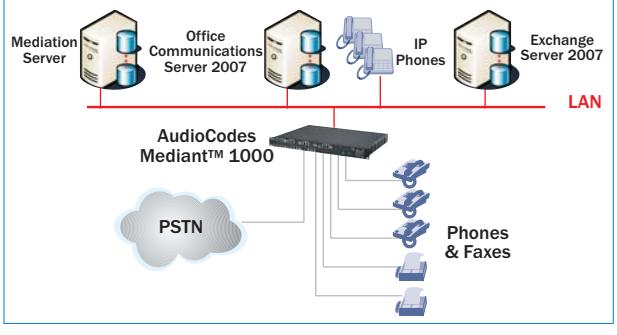
Office Communications Server 2007



Exchange & Office Communications Server Hybrid



Exchange & Office Communications Server - No Legacy PBX



AudioCodes

AudioCodes CPE & Access Gateway Products

Specifications

	Mediant™ 1000	Mediant™ 2000
Interfaces		
Modularity and Capacity	6 slots for analog or 4 slots for digital modules Up to maximum of 24 analog ports or 4 digital spans	1, 2, 4, 8 or 16 E1/T1/J1 spans Software Scalability Option
Digital Modules	1, 2 or 4 E1/T1/J1 spans using RJ-48c connectors per module Up to 4 digital modules (maximum 4 spans per gateway) Optional 1+1 or 2+2 fallback spans	16 E1/T1/J1 using dual 50 - pin Telco connectors on RTM or up to 8 E1/T1/J1 spans using RJ-48c connectors
Analog FXO and FXS Modules	2 or 4 ports using RJ-11 connectors per module; up to 6 modules per gateway, Ground start and Loop start One life-line port per FXS module (in case of power failure or network problems)	
Ethernet	Dual Redundant 10/100 Base-TX Ethernet ports via 2 RJ-45 connectors	
RS-232	Debugging	Optional on 1/2/4 span models
Media Processing		
Voice Coders	G.711, G.726, G.723.1, G.729A, GSM-FR, MS-GSM Independent dynamic vocoder selection per channel	
Echo Cancellation	G.165 and G.168-2002, with 32, 64 or 128* tail length	
Quality Enhancement	Dynamic programmable jitter buffer, VAD, CNG, 802.1p/Q VLAN tagging, DiffServ, voice quality monitoring, G.729B	
DTMF/MF Transport	Packet side or PSTN side detection and generation, RFC 2833 compliant DTMF relay Call Progress tones Detection & Generation	Packet side or PSTN side detection and generation, RFC 2833 compliant
IP Transport	VoIP (RTP/RTCP) per IETF RFC 3550 and 3551	
Fax and Modem Transport	T.38 compliant (real time fax), Automatic bypass to PCM or ADPCM	T.38 (IP) compliant Group 3 fax relay and fax bypass (automatic fallback to G.711) support
Signaling		
Digital – PSTN Protocols	**PSTN** protocol termination **CAS** MF-R1: Wink Start, delay dial, immediate start, FGB, FGD, E911 CAMA MFC/R2 numerous country variants Unique script for each county variant, enabling maximum flexibility of the entire state machine of each CAS protocol **ISDN PRI:** ETSI EURO ISDN, ANSI N12, DMS Switch, 5ESS Switch, Japan INS1500, QSIG Basic Call, Australian Telecom, New Zealand Telecom, Hong Kong Variant, Korean MIC and others, VN 3, 4, 6 (French variant)	
Analog Signaling	FXS; Caller ID; polarity reversal; metering tones, distinctive ringing, visual message waiting indication	
Management		
Operations & Management	AudioCodes Element Management System Embedded HTTP Web Server, Telnet Remote configuration and software download via TFTP, HTTP, HTTPS, DHCP and BootP, RADIUS, Syslog (for events, alarms and CDRs)	
Security		
	IPSEC – for control protocols and for Management Interfaces HTTPS • SRTP • TLS, Telnet SSL, IP access list, Radius Login	
Hardware Specifications		
Power Supply	Single universal 90-260 V AC, redundant power supply	Single universal 90-260 V AC or dual-redundant AC or single -48 V DC
Physical	1U high, 19-inch wide rack mount	
Regulatory Compliance		
Telecommunication Standards	TIA/EIA-IS-968, TBR-4, TBR-13, and TBR-21	FCC part 68 TBR4 and TBR13
Safety and EMC Standards	UL60950-1; FCC 47 CFR part 15 Class B, CE Mark (EN55022 Class B, EN60950-1, EN55024, EN300 386, EN61000-3-2/3-3)	UL60950, FCC part 15 Class A, CE Mark (EN55022 Class A, EN60950, EN55024, EN300 386)
Environmental Specifications	ETS 300019-2-1 Storage T1.2, ETS 300019-2-2 Transportation T2.3, ETS 300019-2-3 Operating T3.2	NEBS Level 3: GR - 63-Core (DC-powered model), GR-1089-Core Type 1 & 3, ETS300 019

** 128 msec may reduce capacity*

About AudioCodes

AudioCodes Ltd. (NASDAQ: AUDC), Your Gateway to VoIP, provides innovative, reliable and cost-effective Voice over Packet (VOP) technology, Voice Network products, and applications to OEMs, Network Equipment Providers, Service Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway and media processing technologies (based on VoIPerfect™– AudioCodes' underlying, best-of-breed, core media gateway architecture) and Session Border Controllers (SBCs). The company is a market leader in product development, focused on VoIP Media Gateway, Media Server and SBC technologies and network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past few years and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. The Company is a VoIP technology leader focused on quality, having recently received a number one ranking from ETSI for outstanding voice quality in its media gateways and media servers. AudioCodes voice network products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, enhanced voice services and video markets. AudioCodes enabling technology products include VoIP and CTI communication blades, VoIP media gateway processors and modules, and CPE devices. AudioCodes' headquarters and R&D facilities are located in Israel with an R&D extension in the U.S. Other AudioCodes' offices are located in Europe, the Far East, and Latin America.

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Your Gateway to VoIP