MediaPack™ 40x BRI VoIP Gateway

- **Affords an easy, cost-effective way for businesses using ISDN to migrate to Voice over IP**
- **Enables configurations of up to 4 BRI ports (8 voice channels)**
- **Configurable as either NT or TE side for interfacing ISDN (CO) or PBX**
- **Supports voice and fax transmission**
- **Allows Life-line & PSTN Fallback for assured connectivity in event of power failure**
- **Provides a second data port for LAN connectivity**
- **Utilizes AudioCodes VoIPerfect™ technology for voice quality excellence**
- **Proven integration with leading PBXs, and SIP Servers**
- **Offers remote provisioning, maintenance and troubleshooting**

MediaPack™ BRI VoIP Gateways offer SMBs and SOHOs a simple, cost effective method to migrate to Voice over IP, by connecting legacy PBX systems with BRI lines to IP networks. Incorporating AudioCodes' innovative Voice over Packet technology, the MediaPack 40x™ enables rapid time-to-market and reliable cost-effective deployment for next-generation networks.

The MediaPack BRI VoIP Gateway is based on AudioCodes VoIPerfect™, underlying, best-of-breed, media gateway core technology. The MediaPack 40x is fully interoperable with multiple vendor PBXs, Softswitches, gatekeepers, proxy servers, gateways, IP phones, session border controllers and firewalls.

SURVIVABILITY MECHANISMS
The MediaPack 40x can be deployed in diverse network topologies, with flexibile NT/TE configuration, port granularity that spans up to 8 voice channels and a combination of survivability mechanisms:
- Scale up to 4 BRI lines (up to 8 voice channels)
- Scale up to 4 BRI lines plus a fifth BRI interface for life-line
- Scale up to 2 pairs of BRI lines supporting PSTN fallback in case of power failure

INTEROPERABILITY
MediaPack is a member of AudioCodes' complete family of stand-alone VoIP Gateways. AudioCodes has invested significant effort in complying with the leading and evolving VoIP standards. The support of multiple VoIP control protocols has been tested with leading Softswitch vendors. As a provider for OEMs, System Integrators and Network Equipment Providers, AudioCodes offers interoperability-rich products.

BENEFIT FROM EXTENSIVE EXPERIENCE
Utilizing AudioCodes VoIPerfect core architecture, and gaining from its accumulated experience in providing IP telephony solutions, the MP-40x series combines superior voice quality and "state of the art" features for end users, such as T.38 Fax Relay and G.168-2002 compliant Echo Cancellation. Low bit-rate vocoders (voice coders) can be used simultaneously on both telephony ports to save valuable bandwidth. The "Voice over Data" prioritization algorithm prevents degradation in voice quality even during large data transfers.

INTEGRATED ROUTER CAPABILITIES
The MediaPack 40x series serves as a data router, for connecting a PC or LAN hub/switch, including NAT, DHCP, PPPoE and additional data functions required for simultaneous telephony & internet usage.

MEDIAPACK 40X KEY FEATURES
- Spans a range of 1 to 4 BRI lines
- Selected, multiple LBR coders per channel
- Complies with SIP control protocol
- Comprehensive support for supplementary services
- Integrated Router capabilities consisting of DHCP, PPPoE and NAT
- QoS features comprising TOS/DiffServ, VoIP over data prioritization algorithm
- Web Management for easy configuration and installation

AudioCodes

MediaPack™ 40x

SPECIFICATIONS

Interfaces	
ISDN BRI Interface	Up to 4, ISDN BRI S/T, RJ45 connectors
	Up to 8 voice sessions
	NT or TE mode configurable per port
	Point-point and Point-multipoint
	"Life-line" option, automatic cut-through of a single S/T interface in case of power failure
	Fallback option, automatic cut-through, on a port to port basis, in case of power failure
Network Interface	WAN and LAN connection, dual 10/100 Base-T, RJ45
Serial RS-232 port	DB-9 connector

IP Connectivity	
Routing Function	Embedded Router
	RIP V1/V2 and Static routing
	Access Control List
	DHCP client/server
	NAT
	Traffic Scheduling and Rate Limiting
	Packet Fragmentation
	PPPoE client
	DNS resolution
IP Transport	RTP/RTCP per IETF RFC 3550 and 3551
QoS	TOS/DiffServ Tagging

Voice, Fax, Modem	
Voice over Packet Capabilities	G.168-2002 compliant Echo Cancellation, VAD, CNG, Dynamic programmable Jitter Buffer, modem detection and auto switch to PCM
Voice Compression	G.711, G.723.1, G.726, G.729A, Clear Mode
Fax over IP	T.38 compliant
	Group 3 fax relay up to 14.4 kbps with automatic fallback to PCM or ADPCM

Signaling	
Interface Signaling	ISDN (Euro ISDN EDSS-1), ETS 300 012-1, ETS 200 102-1, ETS 300 402-1, ETS 300 403-1
National Variants	German ISDN, French, Netherlands, Sweden, Norway, Finland, Switzerland, Italy, Spain and Belgium
In-band Signaling	DTMF Transport, Call Progress Tones
VoIP Protocols	SIP (RFC 3261)

Provisioning	
	TFTP for software and configuration download
	Remote management using Web browser
	RS-232 and TELNET for configuration and monitoring

Physical	
Power	100-240 VAC/47-63 Hz
Environmental	Operational: 5 to 40° C 41 to 104° F
	Storage: -25 to 70° C -77 to 158° F
	Humidity: 10 to 90% non-condensing
Dimensions (HxWxD)	44 x 218 x 240 mm
Mounting	Rack Mount, Table Top

Additional Features	
Voice Routing	Hunt Group, Number Manipulation, MSN and DDI, Call Routing logic
Supplementary services	Caller ID, Call Transfer, Call Hold, Call Forward, Call Waiting

Ordering information	
MP-402/BRI/ST/AC/LL	VoIP Gateway with 1 BRI interface (2 voice channels) with lifeline support
MP404/BRI/ST/AC/LL	VoIP Gateway with 2 BRI interfaces (4 voice channels) with lifeline support
MP404/BRI/ST/AC/FB	VoIP Gateway with 2 BRI interfaces (4 voice channels) with optional fallback configuration
MP408/BRI/ST/AC/LL	VoIP Gateway with 4 BRI interfaces (8 voice channels) with lifeline support
MP408/BRI/ST/AC/FB	VoIP Gateway with 4 BRI interfaces (8 voice channels) with optional fallback configuration

APPLICATIONS
- Business PBX networking
- Voice over Broadband
- Converged Access

ABOUT AUDIOCODES
AudioCodes Ltd. (NASDAQ: AUDC) provides innovative, reliable and cost-effective Voice over IP (VoIP) technology, Voice Network Products, and Value Added Applications to Service Providers, Enterprises, OEMs, Network Equipment Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway, and media processing enabling technologies based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media architecture. The company is a market leader in VoIP equipment, focused on VoIP Media Gateway, Media Server, Session Border Controllers (SBC), Security Gateways and Value Added Application network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past ten years and is a key player in the emerging best-of-breed, IMS based, VoIP market. The Company is a VoIP technology leader focused on quality and interoperability, with a proven track record in product and network interoperability with industry leaders in the Service Provider and Enterprise space. AudioCodes Voice Network Products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, cable, enhanced voice services, video, and Enterprise IP Telephony markets. AudioCodes' headquarters are located in Israel with R&D in the U.S. Other AudioCodes' offices are located in Europe, India, the Far East, and Latin America.

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Your Gateway to VoIP