



TP-260/SIP 8 E1/T1 VoIP PCI Media Gateway Board



- Complete stand-alone SIP media gateway on a PCI board
- Low to high channel density
- Concurrent toll quality voice and fax support
- Wide range of PSTN signaling protocols termination
- Fast time-to-market
- Extensive VoIP experience
- Very small footprint

The **TrunkPack® (TP)-260/SIP** PCI VoIP Media Gateway Board is a complete SIP-compliant “media gateway on a board”, delivering a cost-effective solution in a convenient PCI form-factor. This unique stand-alone PCI media gateway operates independently and relies on the host PC only for its power. The TP-260/SIP communicates to applications via SIP using an on-board Ethernet interface. Using a special standards-based approach eliminates host PC device drivers and operating system dependencies, seamlessly connecting existing PSTN-based systems to support VoIP.

The TP-260/SIP is an ideal solution for SIP trunking gateways and integrated media gateways for IP-PBXs and all-in-one communication servers. The board is designed for enterprise applications or for smaller to medium PC-based systems. The TP-260/SIP provides up to 240 ports for voice, fax or data for VoIP media gateway applications. Employing SIP as a control protocol, the TP-260/SIP enables System Integrators (SIs) short time-to-market and reliable cost-effective deployment of next-generation networks. The TP-260/SIP utilizes AudioCodes’ TPM-1100 PMC modules which are based on the VolPerfect™ architecture, AudioCodes’ underlying core media gateway technology.

DEPLOY BEST-OF-BREED RIGHT-SIZED SYSTEMS

The TP-260/SIP PCI VoIP Media Gateway on a board matches the density requirements for small to medium locations, while meeting Network Service Providers’ demands for scalability. The TP-260/SIP stand-alone VoIP Gateway on a board, scales from 1 to 8 E1/T1/J1 spans in a single PCI slot and provides an excellent gateway solution for enterprise applications as well as carrier locations.

CREATE FLEXIBLE PRODUCTS AND SERVICES

The TP-260/SIP enables NEPs to immediately address opportunities that utilize a myriad of legacy circuit-switched infrastructure features and functionalities. The TP-260/SIP extends the flexibility of the Media Gateway family with additional deployment options – made available by providing smaller size and finer granularity of the digital trunk scalability options. The open platform of the TP-260/SIP offers NEPs the option to install this complete SIP controlled Media Gateway board into their PC server, running the application to have a complete solution within the same server.

BENEFIT FROM EXTENSIVE GATEWAY EXPERIENCE

AudioCodes’ commitment to innovation yields consistently high-quality voice processing products that are flexible, intelligent and comprehensive.

TP-260 FEATURES

- 30, 60, 120 and 240 independent voice/fax/data ports
- VoIP packet streaming (RTP/RTCP)
- Real-time fax over IP/T.38
- Tone detection and generation (MF, DTMF, RFC 2833)
- PSTN Signaling: CAS, ISDN PRI
- SIGTRAN IUA, M2UA, M3UA over SCTP
- Management Interfaces: Web server
- On-board 10/100 Base-T Network interface
- Universal PCI interface - power supply only
- Unrestricted PCI bus or PC CPU power

AudioCodes Enabling Technology Products



TP-260/SIP

SPECIFICATIONS

Software Specifications

Capacity	30, 60, 120, and 240 channels of independent, simultaneous VoIP calls supporting voice, fax and data ports
Voice Compression	G.711, G.723.1, G.729A, G.726/G.727, Net Coder® Additional coders supported – contact AudioCodes for further information
Echo Cancellation	G.168-2002 compliant 32, 64 echo tail 128 msec tail with reduced channel capacity
Fax Relay	Real-time fax over IP/T.38 compliant
In-band/Out-band Signaling and DTMF	Packet side or PSTN side, DTMF and tone detection and generation, RFC 2833 compliant
VoIP Standards Compliance	RTP/RTCP per IETF RFC1889/1890 DTMF over RTP per RFC 2833
Control Protocols	SIP (RFC 3261) controlled, stand-alone Media Gateway on a blade; PCI used for power only
Management Interfaces	On-board Embedded Web Server
Operating System	PCI is used for power only (supports any OS on the server or no CPU blade at all)
PSTN Protocol Termination	CAS T1 robbed bit, MFC/R2 numerous country variants CCS ISDN PRI: numerous country variants including ETSI EURO ISDN, ANSI NI2, DMS, 5ESS, Japan INS1500
SIGTRAN	IUA over SCTP per RFC 3057/2960 SS7 MTP2 and MTP3 link termination; M2UA and M3UA over SCTP

Hardware Specifications

Ethernet	10/100 Base-T
Physical Interfaces	Form factor – Full length Universal PCI 5V/3.3V board Telephony – 120 Ohm-RJ48C connectors Ethernet – RJ-45
Power	3.6A at 5 V with quad E1/T1 interface

APPLICATIONS

- VoIP Trunking Gateway
- VoIP Access Gateways
- VoIP Enterprise Gateways
- IP-PBXs
- IP Centrex Gateway

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUDC) enables the new voice infrastructure by providing innovative, reliable and cost-effective Voice over Packet technology and Voice Network products to OEMs, network equipment providers and system integrators. AudioCodes provides its customers and partners with a diverse range of flexible, comprehensive media gateway and media processing technologies, based on VoIPerfect™ - AudioCodes' underlying, best-of-breed, core media gateway architecture. The company is a market leader in voice compression technology and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. AudioCodes' voice network products feature media gateway and media server platforms for packet-based applications in the wireline, wireless, broadband access, and enhanced voice services markets. AudioCodes enabling technology products include VoIP and CTI communication boards, VoIP media gateway processors and modules, and CPE devices.

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