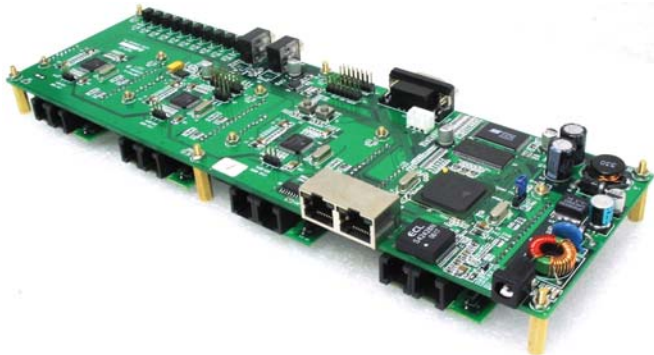


PRELIMINARY

SMB VoIP Toolkit



- IP-PBX & VoIP Gateway Reference Design
- Combined hardware & software toolkit for up to 16 FXS/FXO Channels
- Up to 32 IP-Phones support
- Field-proven VoIP chips and software
- Cost-effective solution while maintaining high quality and performance

AudioCodes introduces the **SMB VoIP Toolkit** which is a combined hardware and software reference design for VoIP gateways with up to 16 channels, providing a complete, cost-effective solution for various applications. Utilizing AudioCodes field-proven VolPerfect™ software, the AC496 System on Chip (SoC) and the AC498 DSP, allows this reference design to offer OEMs and ODMs a cost-effective and quick time to market solution for the rapidly growing SOHO and SMB VoIP markets.

PROVIDE COST-EFFECTIVE DEPLOYMENT

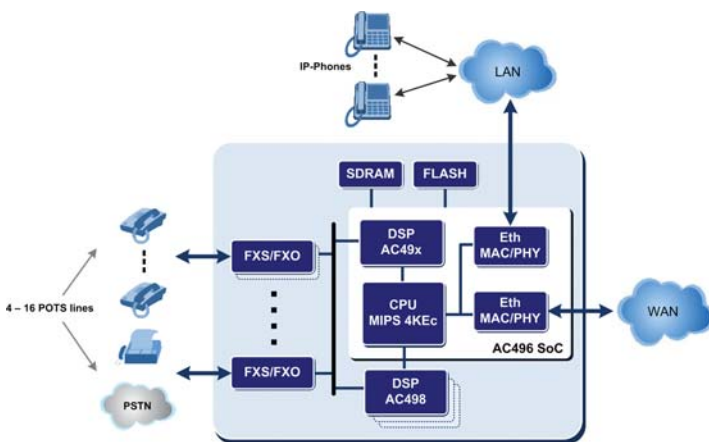
Based on the AudioCodes AC496 System on Chip and the state of the art AC498 DSP, this reference design has a cost-effective Bill of Materials (BOM) that fully addresses the needs of the aggressive market cost demands. Using the add-on AC498 DSP with its VolPerfect™ AudioCodes DSP software significantly reduces the cost per channel while maintaining high quality and performance.

ENABLE FLEXIBLE AND EASY INTEGRATION

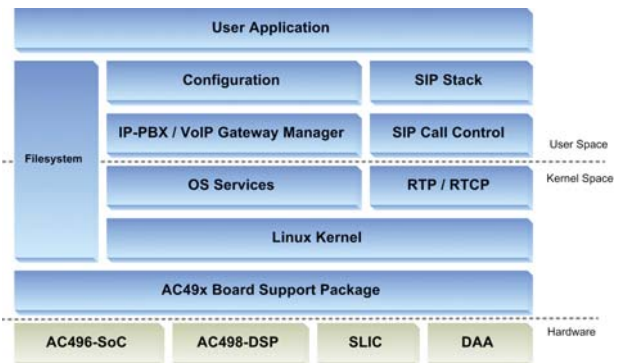
This VoIP reference design was accurately developed to meet the needs of multiple VoIP gateway and IP-PBX products market requirements. The basic design of the AC496 SoC for 4 channels is effortlessly extended with up to 3 additional AC498 DSPs to provide up to 16 voice channels. The scalability and flexibility of this reference design and its open source code software allows customers to rapidly customize and actively deploy a differentiated VoIP gateway product to any market.

READY TO USE VOIP APPLICATION

The VoIP reference design solution couples the hardware design with a complete Linux software suite supporting voice and network protocols, call features and management applications. This software is available with open source code enabling customization by customers.



4-16 channel VoIP Reference Design



AC49x VoIP Software Development Kit

AudioCodes Enabling Technology Products

SMB VoIP Toolkit

SPECIFICATIONS

Hardware & Software

Density	Up to 16 compressed VoIP channels
VoIP Signaling Protocols	SIP - RFC 3261, 3262, 3263, 3264, 2327
Data Protocols	IPv4, TCP, UDP, ICMP, ARP PPPoE IEEE 802.1p/q QoS (VLAN tagging) Layer 2 switching DHCP Client/Server - RFC 2132
Media Processing	Voice Coders - G.711, G.723.1, G.729A/B, G.726, GSM FR, iLBC Wideband Coders - G.722, G.722.2 (WB-AMR) Fax - T.38 Relay, Bypass, T.38 over RTP Echo Cancellation - G.168-2004 compliant, 64 msec tail length Silence Suppression - VAD, CNG Adaptive Jitter Buffer 300 msec
Packetization	RTP/RTCP Packetization - RFC 3550, 3551, 2198 DTMF Relay - RFC 2833
Telephony Features	3-way conferencing Call Forward Call Hold Call Transfer Call Waiting
Configuration/ Management	Embedded Web TFTP FTP Telnet Filesystem support
Security	SRTP (Secured RTP) per RFC 3711, 128 bit AES, HMAC SHA1
Telephony Support	FXS/FXO supported
Telephony Signaling	DTMF - Detection and Generation, TIA464B Caller ID - Telcordia/ETSI/NTT Type I/II (on hook / off hook) Programmable Call-Progress Tones
Operating System	Linux Kernel Board Support Package uClibc

ABOUT AUDIOCODES

AudioCodes Ltd. (NASDAQ: AUDC) 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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Ref # LTRM-10017 05/07 V.2

Device	CPU Clock	DSP Clock	Voice Ports	Eth. Ports
AC496	165 Mhz	125 Mhz	4	2
AC496E*	213 Mhz	150 Mhz	4	2
AC498	-	150 Mhz	4	-

* Please contact AudioCodes for specific software availability

