

Audiocodes

Founded in 1993, AudioCodes Ltd. provides innovative, reliable and cost-effective VoIP & HD VoIP DSP/ SoC ICs and software. Their products are deployed globally in IP, Mobile, Cable, & Broadband Access networks and are used in IP Phones, GPON & GEPON ONU, WiMax, VoIP Gateways and IP-PBXs.

AudioCodes provide a complete line of voice over packet (VoP) processors, suitable for OEM implementations of voice communications over packet networks. Each processor features low bit rate Vocoders, State-of-the-art Echo Canceller and T.38 compliant fax relay. Other field-proven, feature rich software enables the rapid development and fast time-to-market of the complete solution. The VoP chip processors are intended for high and medium density gateways, Residential Gateways and Integrated Access Devices (IAD), and for client applications such as small gateways and IP phones.

AudioCodes' VoIPerfectHD implementation of HD VoIP relies primarily on AudioCodes leadership in DSP, voice coding and voice processing technologies, including their applications for VoIP communications and conferencing.

AudioCodes' scalable & feature-rich converged Voice and Data network products enable Service Providers, Enterprises, Network Equipment Providers and System Integrators to build and deploy cutting-edge VoIP and converged Voice and Data solutions.

Toolkits & Reference Designs

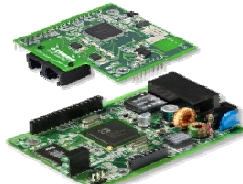
IP Phone Toolkit

IPP SoC references
Hardware & Software
Ready to use IP
Phones



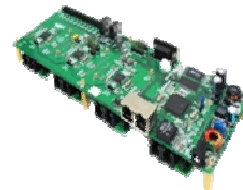
ATA/GW Toolkit

Production ready
Hardware & Software
Reference integrated
data functions



IP-PBX Toolkit

Hardware & Software
Reference for SMB IP-PBX
Asterisk software available



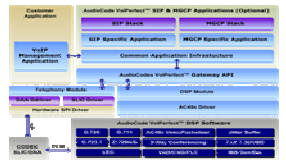
CPE VoIP Toolkit

ATA references
Hardware & Software
Support for GPON,
EPON, WiMax Etc



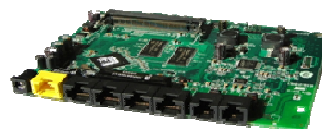
VoIPerfect on MIPS32

DSP software for MIPS CPU
Complete VoIP application



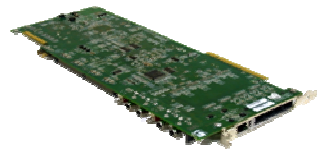
FTTx/ATA Ref. Designs

Cost effective references
for EPON, GPON
FTTx applications



Dev Platforms

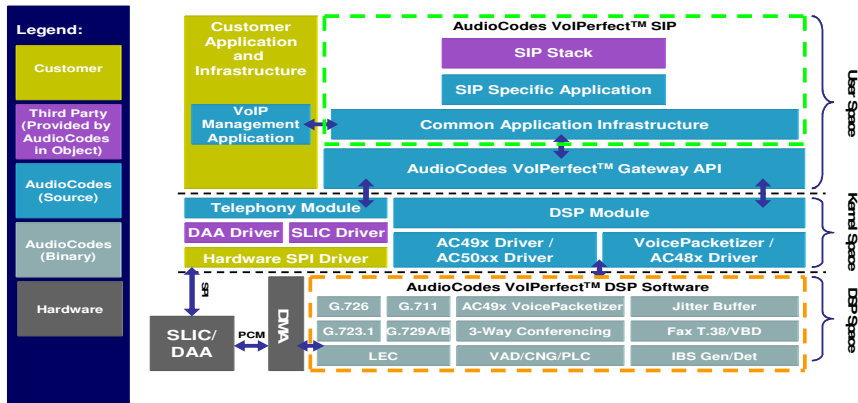
Evaluation &
development boards
for cutting
development time



Voice Over Packet Processors	Notes
AC48801C - Single channel VoP Processor for Client Applications (Ind Temp)	G.723.1 + G.729A
AC48802C - Dual channel VoP Processor for Client Applications (Ind Temp)	G.723.1 + G.729A
AC48304C Quad channel VoP Processor for Client Applications (Ind Temp)	G.723.1 or G.729A
AC48204 Quad channel VoP Processor (Ind Temp)	G.723.1 + G.729A + 64mS Echo Canceler
AC486 24 channels Voice over Packet Processor (Ind Temp)	G.711, G.726, G.723, G.729, GSM-FR, GSM-EFR, AMR, EVRC, QCELP
AC49804 4 channel VoP Processor (vDSP)	G.711 + G.726 + G.727 + G.723.1 + G.729A , iLBC, GSM FR
AC49008 8 channel VoP Processor (Ind Temp)	G.711 + G.726 + G.727 + G.723.1 + G.729A , AMR, iLBC
AC49012 12 channel VoP Processor (Ind Temp)	G.711 + G.726 + G.727 + G.723.1 + G.729A , AMR, iLBC
AC491 32-192 channel VoP Processor (low power consumption <6mW/ch)	G.711 + G.726 + G.727 + G.723.1 + G.729A + G.722.2, GSM, AMR, iLBC, EVRC
AC491L-CBL 32 channel VoP Processor (low power consumption <6mW/ch)	G.711 + G.726 + G.727 + G.723.1 + G.729A + G.722, GSM, AMR,
AC5011-CBL 8 channel VoP Processor (RMII/MII & HPI & DDR2)	G.711 + G.726 + G.727 + G.723.1 + G.729A + G.722.2, AMR, iLBC, EVRC
AC5012-CBL 16 channel VoP Processor (RMII/MII & HPI & DDR2)	G.711 + G.726 + G.727 + G.723.1 + G.729A + G.722.2, AMR, iLBC, EVRC
AC5013-CBL 20 channel VoP Processor (RMII/MII & HPI & DDR2)	G.711 + G.726 + G.727 + G.723.1 + G.729A + G.722.2, AMR, iLBC, EVRC
AC5014-CBL 24 channel VoP Processor (RMII/MII & HPI & DDR2)	G.711 + G.726 + G.727 + G.723.1 + G.729A + G.722.2, AMR, iLBC, EVRC
AC5033 128 channel VoIP Processor (RMII/MII & HPI & DDR2)	Please contact BT2000 for specific software availability.
AC5037 240 channel VoIP Processor (RMII/MII & HPI & DDR2)	Please contact BT2000 for specific software availability.
AC5039 256 channel VoIP Processor (RMII/MII & HPI & DDR2)	Please contact BT2000 for specific software availability.

System On Chip (SoC)	Notes
AC494 - SoC (Dual or Quad channel System on Chip for High End IP Phone - HD VoIP)	has USB interface, and CPU speed is 165MHz
AC495 - SoC (Dual or Quad System on Chip for IP Phone/CPE - HD VoIP)	does not have USB interface, and CPU speed is 125MHz
AC496 - SoC (Dual or Quad channel System on Chip for CPE)	does not have USB, and CPU speed is 165MHz
AC497 - SoC (Dual or Quad channel System on Chip for Low End IP Phone/CPE - HD VoIP)	does not have Second Eth Port, and CPU speed is 125MHz
AC495L - SoC (Dual channel System on Chip for IP Phone/CPE - HD VoIP)	does not have USB interface, and CPU speed is 87.5MHz
AC495E - SoC (Dual channel System on Chip for IP Phone - HD VoIP)	has GBE and CPU speed is 125Mhz
AC494E - SoC (Quad channel System on Chip for IP PBX - HD VoIP)	has USB, GBE and CPU speed is 300Mhz
AC496D - SoC (Quad channel System on Chip for IP DECT BS - HD VoIP)	has USB, GBE and CPU speed is 300Mhz
AC499 - SoC (Dual Channel Cost Effective ATA System on Chip)	has a serial, UART, PCM interface and CPU speed is 200MHz
AC494 Modules	FXO or FXS modules for AC494 Development & Evaluation system

VoIPerfect™ Software Architecture



Broadband Technology 2000 Ltd Product Areas

EMBEDDED ICs <ul style="list-style-type: none"> VoIP & Video DSPs Ethernet NPU & NPA Mixed Signal ICs 	WIRELESS <ul style="list-style-type: none"> Telematic Platforms GSM GPRS & 3G Modems 3G Routers 3G Dongles Gateways Tracking Units WiMAX Modems & Controllers 	RF & MICROWAVE <ul style="list-style-type: none"> Attenuators Power AMPS Antennas GPS Modules 	POWER MANAGEMENT <ul style="list-style-type: none"> Battery Charge ICs Hot Swap Controllers Power Supply Sequencers Super capacitors
SENSOR ICs <ul style="list-style-type: none"> Accelerometers Gyroscopes Magnetic Sensors Pressure Sensors 			



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