AC'97 Audio System

AC'97 standard is the result of Intel working with Creative Labs and other industry leaders to create a specification for very high quality (90dB SNR) audio solutions for Peripheral Components Interconnect (PCI) mother-boards and add-in cards, as well as digital audio "outside the box" via Universal Serial Bus (USB) or IEEE-1394. The AC'97 architecture defines a 2-chip audio solution comprising a vendor specific scaleable Digital Audio Controller (DC'97), analog-to-digital converters (ADCs), mixers, and I/O. AC'97 also enables cost effective PCI combined audio/telephony solutions which incorporate software or hardware modem data pumps, an audio/phone codec, and line codec into the 2-chip architecture.
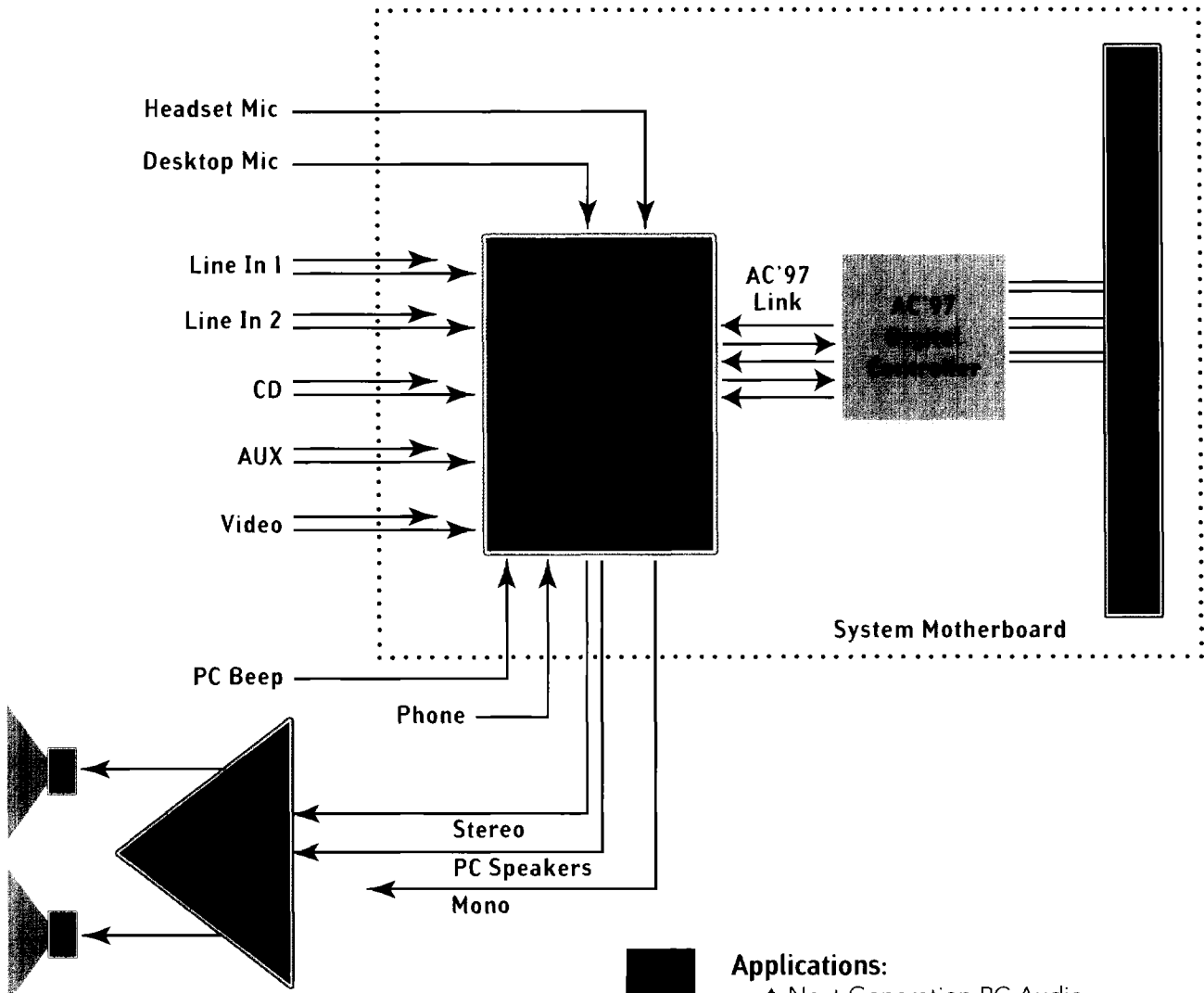
Applications:
- ◆ Next Generation PC Audio
- ◆ Computer Based Sound Systems and Cards
- ◆ Multimedia Audio Subsystems
- ◆ Video Teleconferencing Systems

Features of the HMP9701CN:
- ◆ 16-Bit Audio Codec
- ◆ Full Compliance to Audio Codec'97 Standard
- ◆ Four CD quality stereo inputs
- ◆ Hi-Fi quality stereo line level output
- ◆ Fixed 48K sampling rate
- ◆ Power Management
- ◆ 48 Lead industry standard TQFP package
- ◆ Standard AC'97 pinout