CMI8768 8CH High-Performance PCI Audio Single Chip

Features  (Courtesy of www.OrpheusComputing.com - Custom Built Computers)

- The global first 8CH single sound chip with embedded codec saving customer total BOM cost
- Full-duplex 8CH DAC/2CH ADC
- Supports 96K/24bit playback; 48K/16bit recording
- CE level high-quality Signal-to-Noise Ratio (SNR)~100dB
- Integrated S/PDIF transmitter supports 44.1k/48k/96KHz sample-rate and 16/24bits resolution
- PCI Rev. 2.2 compliant with bus mastering modes
- Supports the latest Dolby® Digital EX and DTS®ES 6.1/7.1CH DVD soundtrack playback
- Two S/PDIF inputs for optical and coaxial connectors individually
- Built-in earphone buffer at front-out pings(32 loading)
- One GPIO (General purpose I/O) support
- External EEPROM Interface for SID R/W purpose
- Supports MPU401 MIDI UART port
- DirectSound™3 HW acceleration
- ACPI compliant power down management
- Zoomed Video Port support
- Industrial standard 128-lead QFP package
- Pin-to-Pin compatible with CMI8738 series
- Digital power = 3.3V & 5V, Analog power = 5V

Valuable software technology:
- C-Media Xear 3D™ 7.1 Virtual Speaker SHIFTER technology
- Sensaura®CRL3D HRTF 3D positional sound enhancement with multi-drive 7.1, EnvironmentFX, ZoomFX, MacroFX, etc.
- Unique Karaoke functionality: Mic Echo, Key-shifting, Vocal Cancellation
- Interesting Magic Voice™ feature to change users' voice tone for IP phone, online games, and messenger applications
- 10-band Equalizer with 12 preset modes; 27 global environment effects
- Support 7.1 CH digital audio playback for WinXP, 2K, ME, 98SE (Microsoft DirectX V.8.1 above is required)
- Other oncoming features (ASIO driver, NR/AEC,...)