



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,...)

