

## SOUND CARD COMPARISON CHART, 2 of 2

	<b>AUZEN X-MERIDIAN 7.1</b>	<b>AUZEN X-Fi™ Prelude 7.1</b>	<b>Sound Blaster® X-Fi Xtreme Gamer FATAL1TY Pro</b>
Audio Processor	CMI8788	X-Fi™ (20K1)	X-Fi™ (20K1)
Signal to Noise Ratio (SNR)	115dB	115dB	109dB
64 RAM	-	Yes	Yes
64bit OS support	Yes	Yes	Yes
Max. No. of 3D Voices	128	128	128
Max. Audio Resolution Playback & Quality	24-bit/192kHz in 7.1	24-bit/192kHz in 2ch Stereo 24-bit/96kHz in 7.1	24-bit/192kHz in 2ch Stereo 24-bit/96kHz in 7.1
Max. Recording/Sampling Rate	24-bit/192kHz	24-bit/96kHz	24-bit/96kHz
DAC(s)	24-bit/192kHz AK4396VF (120dB-part spec.) X 4pcs	24-bit/96kHz AK4396VF (120dB-part spec.) X 4pcs	24-bit/96kHz
ADC	24-bit/192kHz AK5385BVF (114dB-part spec.) X 1pc	24-bit/96kHz AK5394AVS (123dB-part spec.) X 1pc	24-bit/96kHz
OPAMP (Preout circuit for DAC output)	4 pcs / Dual DIP type / Swappable design for DIY, final sound quality and color managed by OPAMP	1 pc / Dual DIP type / Swappable design for Front (LM4562), 3 pcs / SMD type (OPA2134)	SMD type
Relay Switching Noise Free	Digitally-controlled analog switch for relay switching noise removal User tuning available for high quality sound	NA	NA
OPAMP (preinput circuit for ADC input)	2 pcs / SMD type	2 pcs / SMD type	SMD type
OPAMP (preinput circuit for MIC input)	1 pc / SMD type	1 pc / SMD type	SMD type
Max Output level	5 Vrms / Powerful sound	5 Vrms / Powerful sound	2.0Vrms
EAX® / DirectSound 3D	Yes / EAX 2.0	Yes / EAX 5.0	Yes / EAX 5.0
Max. Channels in 3D Positional Audio	7.1	7.1	7.1
CMSS3D	/	Yes	Yes
Dolby Digital Live real-time encoding	Yes	Q4 of 2007	Q4 of 2007
Dolby Pro Logic IIx	Yes/ Music mode, Cinema mode, Panorama, Center Width, Dimension	CMSS-3D substituted for the function.	CMSS-3D substituted for the function.
Dolby Headphone	Yes/ DH1, DH2, DH3 mode		
Dolby Virtual Speaker	Yes/ Reference room, wide mode		
	Yes/	Yes/	..

Dolby Digital 5.1 Playback	with APPLICATION CODEC	with APPLICATION CODEC	Yes
DTS Interactive real-time encoding (component of DTS CONNECT)	Yes	Q1 of 2008	Q1 of 2008
DTS NEO:PC up-mix (component of DTS CONNECT)	Yes / Music mode, Cinema mode	Q1 of 2008	Q1 of 2008
Dolby True HD Playback / DTS HD Playback	Yes/ with 'Auzen X-Tension HDMI 1.3'(will be available)	Yes/ with 'Auzen X-Tension HDMI 1.3'(will be available)	Yes/ with 'Auzen X-Tension HDMI 1.3'(will be available)
Karaoke	Yes/ Mic echo, Key Shifting, Vocal cancellation	Yes/ Various Effects in AudioCreation Mode	Yes/ Various Effects in AudioCreation Mode
Magic Voice	Yes	Yes/ Various Effects in AudioCreation Mode	Yes/ Various Effects in AudioCreation Mode
Graphic Equalizer	Yes / 10 band	Yes / 10 band	Yes / 10 band
Virtual Surround over 2 Channel or Headphones	Yes/ Virtual Speaker Shifter	Yes/ CMSS-3D Headphone	Yes/ CMSS-3D Headphone
DTS CD / DTS-WAV playback	Yes/ Bit match(perfect) playback available in Analog mode	Yes/ Bit match(perfect) playback available	Yes/ Bit match(perfect) playback available
Bass Management	Large, Small Speaker setting available for all channel speaker/ Configurable LFE channel crossover frequency in Small speaker mode (from 50Hz to 250Hz)	Bass redirection / LFE crossover frequency settable	Bass redirection / LFE crossover frequency settable
Onboard TOSLINK Optical output	Yes/ by COAX+OPTIC Combo Output connector with 3.5mm minijack-toslink adapter	Yes/ by COAX+OPTIC Combo Output connector with 3.5mm minijack-toslink adapter	Yes/ shared 3.5mm Flexi Jack
Onboard TOSLINK Optical input	Yes/ by COAX+OPTIC Combo Output connector with 3.5mm minijack-toslink adapter / External "PCM" SPDIF input to realtime encoding (DDL and DTS Interactive) support	Yes/ by COAX+OPTIC Combo Output connector with 3.5mm minijack-toslink adapter / External "PCM" SPDIF input to realtime encoding (DDL and DTS Interactive) support	NA
TOSLINK Fiber Optic cable	3Meter high quality cable included	3Meter high quality cable included	NA
Onboard RCA Coaxial Output	Yes/ by COAX+OPTIC Combo Output connector	Yes/ by COAX+OPTIC Combo Output connector	Not RCA, 3.5mm mini jack - non standard
Onboard RCA Coaxial Input	Yes/ by COAX+OPTIC Combo Output connector / External PCM SPDIF input to realtime encoding(DDL and DTS Interactive)support	Yes/ by COAX+OPTIC Combo Output connector / External PCM SPDIF input to realtime encoding(DDL and DTS Interactive)support	NA
MIDI Port	NA	NA	NA
CD IN, AUX IN	Yes	AUX IN only	-

<p>Front Panel Audio</p>	<p>Yes/ Standard 10PIN AC97 FP_AUDIO connector onboard for most pc cases</p> <ul style="list-style-type: none"> <li>- All 7.1channel analog output muted by jack connection sense of front panel headphone out</li> <li>- Dual MIC input available by back panel mic input and front panel mic input</li> </ul>	<p>Yes/ Standard 10PIN AC97 FP_AUDIO connector onboard for most pc cases</p> <ul style="list-style-type: none"> <li>- All 7.1channel analog output muted by jack connection sense of front panel headphone out</li> <li>- Dual MIC input available by back panel mic input and front panel mic input</li> </ul>	<p>Yes/ for DELL Intel HD Audio Compatible Front Panel Header (2x5pin)</p>
<p>Upgrade Extension Board (Digital I/O Part)</p>	<p>Yes/ * Control Panel [SPDIF IN] Menu ONBOARD EXTENTION</p> <ol style="list-style-type: none"> <li>1. Optical IN (Up to 24-bit/192khz support)</li> <li>2. Coaxial IN (Gold plated RCA jack)</li> <li>3. Optical OUT (Up to 24-bit/192khz support)</li> <li>4. Digital DIN for 8CH PCM - all channels up to 24bit/192kHz support</li> </ol> <ul style="list-style-type: none"> <li>- Gold Plated MINI DIN jack</li> <li>- AKM AK4101A DIT</li> <li>- Compatible for Creative Lab's Digital DIN 6CH PCM SPDIF Input connection</li> </ul>	<p>Yes</p>	<p>Yes</p>
<p>Upgrade Extension Board (Extra 6.35mm MIC Input Port)</p>	<p>Yes/ 6.35mm TRS jack - 6.35mm plug dynamic mic with battery power support / 4pin-4pin shield wire connection required between onboard 4pin ext mic connector and extension board 4pin ext mic connetor / Triple MIC input available - back panel, front panel, extra 6.35mm TRS jack input</p>	<p>-</p>	<p>Yes/ 40pin/flexi jack or 3rd party Digital I/O available</p>