

Slot Connector: PCI-E x1
Slot signals: PCI-E 1.0
Slot height: 1
PCI Device ID: 1102-000B
Subsystem ID: 1102-0062
Device Class: 0403
FCC ID:
X-RAM size: 64MB DDR
Dimensions: 165 mm x 98 mm

I/O ports

- 1x 3.5mm Microphone jack (3.5mm TRS jack)
- 1x 3.5mm Headphone jack (3.5mm TRS jack)
- 1x Front Left RCA jack
- 1x Front Right RCA jack
- 1x Line-In Left/Optical-In combo jack
- 1x Line-In Right/Optical-Out combo jack
- 1x Intel HD Front Panel Audio (2x5 2.54mm pin header)
- 1x AUD_EXT (extension connector for connecting front panel expansion modules and Digital I/O cards)

Misc.

- 4x OP-AMP socket (2x 4 pin DIP)

Power connectors

- None

IC-s

- Creative Labs CA20K2-2AG HF 2nd Gen. X-Fi Audio Processor -
- Wolfson WM8775 24-bit, 96kHz ACD with 4 channel I/P multiplexer
- Burr-Brown Advanced Segment PCM1794 DAC
- Burr-Brown High-Performance, Two-Channel, 24-Bit, 216kHz Sampling Multi-Bit Delta-Sigma Analog-to-Digital Converter PCM4220
- 2x JRC NJM 21140 High-Performance Dual Low Noise OP-AMP
- 2x Texas Instruments LME 49710NA High-Performance, High-Fidelity OP-AMP

Card specifications according to Creative's press release (7 January 2010)

“The Creative Sound Blaster X-Fi Titanium HD is powered by the second-generation Creative X-Fi Xtreme Fidelity audio processor for PCI Express slots. The Creative Sound Blaster X-Fi Titanium HD combines captivating industrial design with audiophile grade Digital to Analog Converters (DACs) and components to produce a 122dB signal-to-noise ratio, the highest SNR ever produced by a Creative sound card. A replaceable Op-amp is also a distinguishing feature allowing users to customise audio output with colouration that is refined to their personal tastes.”

- RCA Line Out for audio playback up to 122dB, 24-bit/96kHz Digital-to-Analog Converters (DAC)
- RCA Line Input for recording up to 118dB, 24-bit 96kHz Analog-to-Digital Converters (ADC)
- 0.001% Total Harmonic Distortion + Noise (THD+N)
- Headphone output for audio listening up to 115dB 33 Ohms, and 117dB, 330 Ohms, at 24bit/96kHz
- Replaceable Op-amps
- Hardware-accelerated 3D positional audio and EAX® 5.0 effects that provide a truly immersive experience with headphones and speakers
- Dolby Digital and DTS encoding enables one-step single-cable connection to home entertainment systems
- TOS-link optical-in/out
- 1/8" microphone-in
- 1/8" headphone jack
- Creative ALchemy to restore EAX and surround sound that is otherwise lost in DirectSound game titles running under Windows Vista and Windows 7
- ASIO recording support with latency as low as one millisecond with minimal CPU load
- Works with Windows Vista and Windows 7 operating system