



Call LEM Computers Toll Free 1-877-536-4968 to Place Your Order

Technical Specifications

32-bit Professional Quality Effects Engine

- Creative's Audigy™ patented effects processor
- Support for real-time digital effects like reverb, chorus, normalizer, pitch shifter, or distortion across any audio source
- Capable of processing, mixing, and positioning audio streams using up to 131 available hardware channels
- Full 32-bit digital mixer maintains all sound mixing in the digital domain, eliminating noise from the signal
- Customizable Plug-In Effects Architecture allows new audio effects to be downloaded from the Web via CreativeWare

High-Definition Audio Quality

- Playback of 64 audio channels, each with its own independent sample rate
- 24-bit Analog-to-Digital conversion of analog inputs at 48kHz sample rate
- 24-bit Digital-to-Analog conversion of digital sources at 48kHz to analog 5.1 speaker output
- 16-bit recording with sampling rates of 8, 11.025, 16, 22.05, 24, 32, 44.1, and 48kHz
- Supports Sony® / Philips® Digital Interface (SPDIF) format input signal of up to 24-bit/96kHz quality
- SPDIF output up to 24-bit resolution at selectable sampling rate of 44.1, 48, or 96kHz
- Low latency multi-track recording with ASIO™ support

EAX®, ADVANCED HD™, Advanced Audio and 3D Audio Technology

- Hardware acceleration of EAX ADVANCED HD for games
- User-selectable EAX ADVANCED HD music presets, pre-configurable DSP modes simulating various acoustic environments
- Advanced time-scaling
- Audio Cleanup
- Upgradeable 3D audio architecture for future improvements
- Dolby® Digital audio decoding to 5.1 speaker channels in both analog and digital modes
- Optimized, user-selectable settings for two, four, or six speakers, headphones, and external A/V amplifiers
- Creative Multi Speaker Surround™ (CMSS) technology places any monaural or stereo source in a 360° audio space

SB1394/FireWire® Connectivity

- High speed connection to IEEE® 1394 enabled devices with up to 400Mbps transfer rate
- Hot-plug support for ease of connecting or disconnecting external devices
- Interconnection of up to 63 devices for peer-to-peer communication

Realistic Wave-Table Synthesis

- Creative's Audigy music synthesis engine
- 64-voice hardware polyphony with E-mu® Systems, Inc.'s patented 8-point interpolation technology that reduces distortion to inaudible levels
- Uses SoundFont® technology for user-definable wave-table sample sets
- Unlimited sample size can be loaded into host memory for professional music reproduction (limited to available system memory size)
- Scalable PCI wave-table synthesis architecture with multi-timbre capability
- 48 MIDI channels with 128 GM & GS compatible instruments and 10 drum kits

MIDI Interface / Joystick Port

- Support for analog and digital or DirectInput™ game devices
- Support for two simultaneous MIDI devices with Sound Blaster Audigy drive (upgrade option)

Sound Blaster Audigy Gamer On-Board Connectors

- Analog / Digital Out (Analog Center & Subwoofer / 6-channel SPDIF Output)
- Line in
- Microphone in
- Line level out (Front) / Headphone out
- Line level out (Rear)
- SB1394/FireWire port
- Telephone Answering Device in
- Analog CD Audio in
- Digital CD Audio in
- Expansion header to an external 15-pin MIDI / Joystick port
- Internal SB1394/FireWire header to Sound Blaster Audigy drive (upgrade option)
- Expansion header to the Sound Blaster Audigy drive (upgrade option)

Works with the Following Standards

- Windows® 98, 98SE, NT® 4.0, 2000, and Me
- Sound Blaster MIDI and General MIDI
- Plug and Play
- Sound Blaster PCI
- EAX ADVANCED HD
- EAX
- Microsoft® DirectSound®, DirectSound3D™, and derivatives
- PCI 2.1 compliant
- AC '97 compliant
- Dolby® Digital
- ASIO™

Sound Blaster Audigy Audio Performance

- Signal-to-Noise Ratio (A-Weighted) = 100 dB
- Crosstalk (Left/Right and vice versa) = -100 dB
- Total Harmonic Distortion + Noise at 1kHz (A-Weighted) = 0.004 %
- Frequency Response at -3 dBr = <10 Hz to 22 kHz

Specifications are based on digital-to-analog audio playback (e.g. CDDA, WAV, MP3, Dolby Digital)