

Solution ID: 201249

Sound Blaster AE-X: Technical Specifications

Keywords/keyphrases: specifications, power, dimension, weight, color, snr, playback, recording, quality, amp, temperature, software

SUMMARY:

- **Applicable to:** Sound Blaster AE-X (SB1960)
- Technical specifications for the Sound Blaster AE-X.

Model Number	SB1960
Interface/Power	PCI-e (1x - 16x Bus)
Product Dimension	(179 x 126 x 18)mm
Product weight	263g
Color	Cover shield: Cool gray with black center Bracket: Nickel Plating Black
DAC specifications	• Dynamic Range: 130dB • THD+N: 0.0001%
ADC specifications	• Dynamic Range: 114dB • THD+N: 0.0006%
ADC specifications	• Dynamic Range: 114dB • THD+N: 0.0006%
Playback Performance	Line out - Stereo • PCM 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0, 352.8, 384 kHz • PCM 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0, 352.8, 384 kHz • PCM 32-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0, 352.8, 384 kHz Headphone Out - Stereo • PCM 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0, 352.8, 384 kHz

	• PCM 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0, 352.8, 384 kHz • PCM 32-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0, 352.8, 384 kHz Coaxial SPDIF Out • PCM 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • PCM 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz Front panel Headphone out - Stereo • PCM 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • PCM 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • PCM 32-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz Line out/Headphone out (Native DSD) • Native DSD: DSD64, DSD128, DSD256 Front Panel Headphone out (Native DSD) • DSD64, DSD128
Recording Performance	Mic-in (Mono input; records as 2-channel) • Dual-mono: 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • Dual-mono: 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz Line-in (Stereo) • Stereo: 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • Stereo: 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz TOSLINK SPDIF In

	• Stereo: 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • Stereo: 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz Front Panel Mic In (Mono input; records as 2-channel) • Dual-mono: 16-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz • Dual-mono: 24-bit, 44.1, 48.0, 88.2, 96.0, 176.4, 192.0 kHz
Digital Filter	8 pre-programmed filters
Headphone Amp (Rear)	• Supported Headphones Impedance: 8 ~ 600 ohm • Maximum output power: 350mW @ 32ohm (High) • Maximum output voltage: 6Vrms (High) • Output Impedance: 1 ohm • • IEM: 0.5Vrms • Low: 1.5Vrms • Mid: 3Vrms • High: 6Vrms
Headphone Amp (Front Panel)	• Supported Headphones Impedance: 32 ~ 300 ohm • Maximum output power: 40mW @ 32 ohm • Maximum output voltage: 1.9Vrms • Output Impedance: 10 ohm
Connectivity	• 1 x 3.5mm Headphone port • 1 x RCA line-out (Left) port • 1 x RCA line-out (Right) port • 1 x Coaxial SPDIF out port • 1 x 3.5mm Mic In/Line In port

	• 1 x TOSLINK SPDIF In port • 1 x HD Audio Front Panel Connector
ASIO Support	v2.3, Playback and Recording
What-u-Hear	None
Operating Temperature	0°C to 45°C
Driver	• WHQL for Windows Driver • Supports ASIO 2.3, WASAPI, USB Audio Driver / Protocol (UPD)
Software	Creative Nexus App for audio customization and configurations
Minimum System Requirements	• Intel® Core™i3 or AMD® equivalent x86 processor • x86 compatible motherboard • Microsoft® Windows 11 64-bit / Windows 10 64-bit • 8GB RAM • Internet connection for software download • Available PCI-e slot

[Contact Us](#)
