

Ref.12000

PROFESSIONAL SOUND CARD BALANCED & AES / EBU



OVERVIEW

This card makes the dream of an All-In-One solution for every possible application come true. The Advanced-Input-Output interface shines with the latest 192 kHz AD- and DA-converters, with more than 112 dB signal to noise ratio. For the first time, all inputs and outputs are simultaneously operational, even SPDIF (phono) and AES/EBU (XLR). Additional hi-quality analog inputs and outputs can easily be added by favourably priced expansion boards. This card also supports the optional TCO for synchronization to timecode (LTC/video). All this combines into a professional 'soundcard' that the world has not seen before.

A newly developed genuine PCI Express core consequently takes full advantage of the new format, achieving significant performance gains in multitrack audio and lowest latency. The secure flash update technology, firmware improvements, adjustments, and bugfixes can be installed easily at any time.

- ✓ Balanced stereo analog in- and output, 24-bit/192kHz, > 112 dB SNR
- ✓ Optional analog expansion boards with 4 balanced in- or outputs
- ✓ All analog I/Os capable of 192 kHz, constant number of available channels
- ✓ 1 ADAT digital I/O, supporting 192 kHz via S/MUX4 operation
- ✓ 1 SPDIF digital I/O, 192 kHz-capable
- ✓ 1 AES/EBU digital I/O, 192 kHz-capable
- ✓ 1 Stereo headphone output, separate DA-converter and playback device
- ✓ So up to 18 inputs and 20 outputs can be used simultaneously!
- ✓ 1 MIDI I/O with 16 channels of hi-speed MIDI via breakout cable
- ✓ 760 channel Mixer with 42 bit internal resolution

SPÉCIFICATIONS TECHNIQUES

1-Lane PCI Express Endpoint device

2.5 Gbps line speed

Packet-based full-duplex communication (up to 500 MB/s transfer rate)

Supported sample frequencies: Internally 32, 44.1, 48, 64, 88.2, 96, 176.4, 192 kHz. Externally 28 kHz - 200 kHz

8 buffer sizes/latencies available: 0.7 ms, 1.5 ms, 3 ms, 6 ms, 12 ms, 23 ms, 46 ms, 93 ms

All settings changeable in real-time

Automatic and intelligent master/slave clock control

Enhanced Mixed mode: All inputs and outputs simultaneously operational

TMS (Track Marker Support): Supports CD/DAT start-IDs and the read out of CD subcode

Unique status windows for record and playback, showing mode and sample rate

Digital inputs and outputs ground-free transformer coupled

3-stage hardware level control for analog inputs and outputs

Balanced analog input and output, DC-coupled signal path

192 kHz / 24-bit converters. SNR 112 dB RMS unweighted, 115 dBA

Maximum input and output level (0 dBFS @ HiGain): +19 dBu

Low impedance headphone output (30 ohm), separate DAC and playback device

Super low jitter design: < 1 ns in all clock modes

