



I/O Connectivity

- 16 Input / 16 Output channels
- 1 x Analog I/O (192 kHz)
- 1 x ADAT I/O (at 96 kHz via S/MUX)
- 1 x SPDIF I/O (192 kHz)
- 1 x MIDI I/O
- 1 x Phones-Output
- optional: 4 additional Analog I/Os
- optional: Word Clock Module
- optional: TDIF Expansion Board

The All-In-One solution for any audio application, from recording up to the final mastering!

RME presents the world's most versatile PCI Audio Interface - the Hammerfall DSP 9632. This card makes the dream of an All-In-One solution for every possible application come true. As usual, RME has not made any compromises: Latest 192 kHz AD- and DA-converters with more than 110 dB signal to noise ratio, all inputs and outputs simultaneously operational, easy-to-install optional hi-quality analog expansion boards, the famous TotalMix, a newly developed clock section with maximum jitter suppression of external clock signals - all this combines into a unique 'soundcard' that simply didn't exist before.

The HDSP 9632 offers a wealth of features:

- Balanced stereo analog in- and output, 24-bit/192 kHz, > 110 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 96 kHz S/MUX operation
- 1 SPDIF digital I/O, 192 kHz-capable
- 1 Breakout cable for coaxial SPDIF
- Up to 16 I/Os can be used simultaneously!
- 1 Stereo headphone output, parallel to the analog out, additional level settings
- 1 MIDI I/O with 16 channels of hi-speed MIDI via breakout cable
- DIGICheck, RME's unique metering- and analysing tool
- Includes freely scalable level meters with peak- and RMS calculation directly in hardware
- TotalMix: 512 channel mixer with 40 bit internal resolution

The HDSP 9632 ships in a basic version including two RCA/phono breakout cables (headphone: TRS jack). Therefore all analog I/Os and the SPDIF I/O are unbalanced. XLR breakout cables are available as an option (headphone: Neutrik TRS locking jack), turning analog and AES/EBU into balanced mode*.

Specifications

- Supported sample frequencies: Internally 32, 44.1, 48, 64, 88.2, 96, 176.4, 192 kHz. Externally 28 kHz - 200 kHz
- Automatic and intelligent master/slave clock control
- All settings changeable in real-time
- 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
- ZLM® (Zero Latency Monitoring) for latency-free submixes and perfect ASIO Direct Monitoring
- 3-stage hardware level control for analog inputs and outputs
- Servo-balanced analog input and output, DC-coupled signal path
- 192 kHz / 24-bit converters. SNR 110 dB RMS unweighted, 113 dBA
- Maximum input and output level (0 dBFS @ HiGain): +19 dBu
- Analog input and output level configurable via software
- Low impedance headphone output (75 ohm), stepless output level through software faders
- Headphone Speaker Protection minimizes noise during power on/off
- SteadyClock®: Jitter-immune, super-stable digital clock
- Super low jitter design: < 1 ns in all clock modes
- Comes with DIGICheck, RME's ultimate measurement, analysis and test tool

Optional Add-Ons

- Word Clock Module (WCM): provides a word clock input and two word clock outputs via BNC jacks.
- TEB: HDSP 9632 can provide an 8-channel TDIF interface.
- AI4S-192 AIO and AO4S-192 AIO: An easy to handle ribbon cable connects the optional AI4S-192 AIO and AO4S-192 AIO. These analog expansion boards having one bracket with 4 stereo TRS jacks offer the same performance as the on-board stereo analog I/O of the HDSP 9632: up to 192 Khz, balanced and 3 different reference levels. With this a maximum of 6 inputs and/or outputs can be achieved.

Breakout Cables



Standard analog I/O cable (included)



Standard digital I/O cable (included)



* Optional balanced analog I/O cable



* Optional AES/EBU and SPDIF I/O cable



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