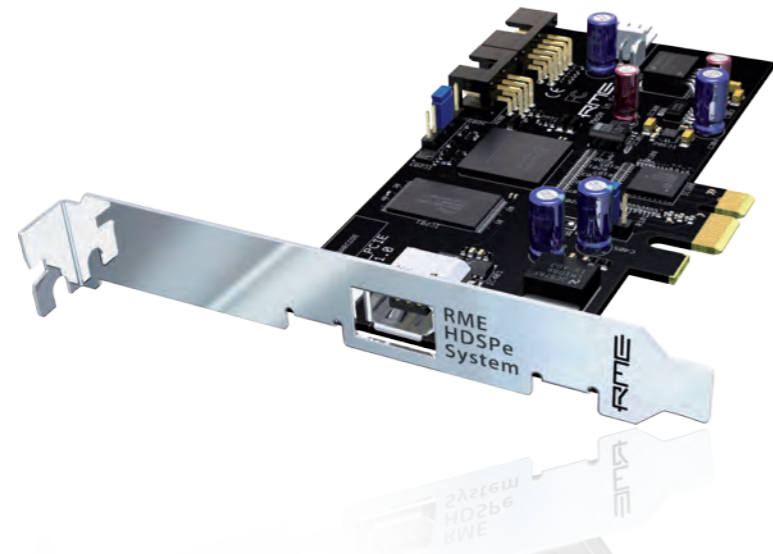


# HDSPe PCI Card

PCI Express interface for desktop computers



The HDSPe PCI Card is the newly developed PCI Express version of its PCI predecessor. Built on RME's famous Hammerfall DSP features and quality, the new PCI Express core ensures full compatibility and maximum performance with this latest high-speed serial bus technology found in all newer motherboards and computers.

The HDSPe PCI Card uses a native PCI Express core, which consequently takes full advantage of the new format, achieving significant performance gains in multi-track audio and lowest latency. It operates in combination with Multiface II, Multiface, Digiface and the RPM DJ interface. RME is especially proud on the fact that all users of RME interfaces can easily expand their system so that it operates with the latest and fastest PCI Express computers. As additional option the HDSPe PCI Card can be used directly with RME's Time Code Option Module, offering a SMPTE controlled operation.

The connection between PCIe card and I/O box is established using ordinary FireWire cable (IEEE 1394, 6-pin). The data transfer does not use Firewire protocol, but RME's own bus protocol. The supplied cable is 4 m (12 ft.) long. The PCIe card also operates as power supply for the attached I/O-box.

### Differences to HDSP PCI Card

- PCI Express interface
- even lower latencies
- direct support of HDSP TCO



HDSPe PCI Card



Multiface



Multiface II



Digiface



RPM



HDSPe ExpressCard

# HDSPe ExpressCard

ExpressCard/34 for mobile computers



### Connection of

- Multiface
- Multiface II
- Digiface
- RPM

HDSPe PCI Card and ExpressCard are simply the best interfaces for professional audio - outperforming other serial interface techniques that often cannot deliver the required bandwidth nor the desired compatibility.

No other manufacturer offers such a flexible, robust, performing and expandable solution.

In the year 2001 RME started a revolution in mobile audio recording with the HDSP System, consisting of a CardBus card and an external I/O box. The world's first professional multitrack system for laptops was born. Thanks to ever-increasing CPU power, hard disk capacity and speed, today's newest high performance laptops can meet virtually any challenge presented by even the most demanding audio recording and processing applications.

The new ExpressCard standard is based on the PCI Express bus and offers high-speed connections, outperforming other serial interfaces techniques that often cannot deliver the same bandwidth nor the desired compatibility.

As the ExpressCard standard does not provide sufficient power to an attached I/O box, the card comes with a compact professional switching power supply. A car battery cable is also included for additional mobile applications.

### Specifications HDSPe PCI Card/ExpressCard

- Short PCI Express card / ExpressCard/34 format (standard 34 mm size)
- 1 Lane PCI Express endpoint device (no PCI Express to PCI bridge), revision 1.1
- 2.5 Gbps line speed
- Packet-based full-duplex communication (up to 500 MB/s transfer rate)
- Input / Output: IEEE 1394 connector (RME protocol)