

Pro Tools | HD Accel

Preliminary Information

M | W
Mac OS | Windows

*Powerful, New HD Accel PCI Card Supercharges
Any Pro Tools | HD System*

FEATURES

PRO TOOLS | HD ACCEL

- *New HD Accel PCI cards deliver nearly 2x the DSP power of first-generation Pro Tools | HD cards (and nearly 4x that of Pro Tools | 24 MIX)*
- *Up to 50% increase in voice count at all supported sample rates**
- *Support for powerful HD Accel-compatible TDM plug-ins*
- *Next-generation dedicated DSP hardware performance processing capability for ultimate power, flexibility, and sound quality*
- *Compatible with Pro Tools | HD — add HD Accel cards to supercharge any Pro Tools | HD system*

PRO TOOLS | HD FAMILY

- *A complete, professional audio solution comprised of software, plug-ins, audio I/O, synchronization, MIDI, and mic preamp peripheral options*
- *Superior sound quality at any sample rate — up to 192 kHz*
- *Support for up to 96 channels of I/O*
- *Support for up to a guaranteed 256 audio tracks and 192 simultaneous voices* (at 44.1/48 kHz) with very low stress on the host computer*
- *Expandable DSP power and I/O capacity*

* HD Accel card required

** 100-foot DigiLink cable supports up to 96 kHz sample rates; 50-foot maximum DigiLink cable length for 192 kHz sample rate support.

In keeping with the Pro Tools legacy, Pro Tools | HD Accel gives you the very best set of tools and resources available for audio production and the fastest means of getting the job done. Replacing the original HD Process cards made available with Pro Tools | HD, HD Accel cards are included with all core Pro Tools | HD Accel systems featuring more than one PCI card (HD 2 Accel, HD 3 Accel). Pro Tools | HD Accel cards may also be purchased separately and added to any Pro Tools | HD system to supercharge its power and expand available options.

In practical terms, the use of HD Accel cards result in higher voice counts across all sample rates (44.1 – 192 kHz). You'll also see substantially increased DSP power and plug-in support, and the capacity to support future DSP-intensive plug-ins and features that would otherwise cripple a host-only system. Additionally, Pro Tools | HD Accel seamlessly integrates with the entire line of Pro Tools | HD audio interfaces and peripherals, so all previous Digidesign hardware investments remain entirely viable.

Pro Tools TDM 6.2 software, which ships with all Pro Tools | HD systems and cards, is the first release to support the new Pro Tools | HD Accel cards. Pro Tools 6.2 combines the impressive 6.1 feature set with support for the new 96i I/O audio interface, Windows Media Audio 9 import and export (Windows XP systems only), specialized plug-ins, and other features.

PRO TOOLS | HD ACCEL

Pro Tools | HD Accel offers a fusion of unprecedented power, ease-of-use, flexibility, and pristine sound quality. While the HD Core card remains unchanged from original Pro Tools | HD systems, the HD Accel card replaces the previous generation HD Process cards, and may be added to any Pro Tools | HD system to supercharge its processing power and provide access to new, HD Accel-optimized plug-ins and features. Pro Tools | HD 2 Accel and HD 3 Accel systems feature the HD Core card and one or two HD Accel cards, respectively. The HD Core card serves as the central processing hub of the HD environment, featuring twice the DSP processing power of Digidesign's older MIX Core card and support for up to 32 channels of I/O with Digidesign audio interfaces. The HD Accel card offers nearly double the processing muscle of HD Process cards, four times that of MIX Farm cards, and exclusively supports next-generation professional plug-ins. On top of that, don't forget that you've got plenty of power from the host computer available to accommodate additional plug-ins or applications.

Pro Tools | HD 2 Accel includes an HD Core card, an HD Accel card, and support for up to 64 channels of I/O with Pro Tools audio interfaces. Pro Tools | HD 3 Accel — representing the very best savings of the three available Pro Tools | HD core systems — includes the HD Core card, two HD Accel cards, and provides support for up to 96 channels of I/O.

Pro Tools | HD Accel cards can be added to any Pro Tools | HD environment for more processing muscle, further supercharging your workflow. Pro Tools | HD



A division of **Avid**

Pro Tools | HD Accel

FEATURES (cont.)

- Utilizes TDM II, Digidesign's latest bus architecture design, providing support for massive mixing configurations
 - Three different core system options to suit a wide variety of applications
 - A wide range of world-class hardware and software add-ons available from Digidesign and Digidesign Development Partners
 - State-of-the-art control surface options to increase efficiency and productivity
 - Proprietary DigiLink interface standard for connectivity of HD Core and HD Accel/HD Process cards to HD audio interfaces at lengths of up to 100 feet**
- PRO TOOLS TDM SOFTWARE**
- Latest Pro Tools TDM software included with all Pro Tools | HD systems
 - Easy-to-use, intuitive interface; hear and see your mix for utmost control
 - Supports the largest array of professional plug-ins in the industry
 - HDpack plug-in bundle included, providing hundreds to thousands of dollars in Digidesign and Development Partner plug-ins for FREE
 - Full cross-platform session compatibility with systems running Pro Tools TDM/LE 5.1 software or higher; supports all older Pro Tools sessions

* HD Accel card required

** 100-foot DigiLink cable supports up to 96 kHz sample rates; 50-foot maximum DigiLink cable length for 192 kHz sample rate support.

SIMULTANEOUS VOICE COUNT COMPARISON

Sample Rate	44.1/48	88.2/96	176.4/192
Pro Tools HD	96	48	12
Pro Tools HD Accel	192	96	36
Previous Max	128	64	24

Table 1

systems can accommodate up to seven total HD cards (one HD Core card and six HD Process/HD Accel cards) — each card added significantly enhances the dedicated processing power of the system. Plus, unlike host-only systems, Pro Tools | HD's hardware architecture is designed to handle the majority of audio processing tasks, offloading that work from your computer so it's left with plenty of processing power to run additional plug-ins or applications.

Pro Tools | HD 2 Accel and 3 Accel support up to 192 simultaneous audio tracks at 44.1/48 kHz sample rates, 96 tracks at 88.2/96 kHz sample rates, and 36 tracks at 176.4/192 kHz.* Improving upon the dedicated processing capabilities introduced with original Pro Tools | HD systems, Pro Tools | HD 2 Accel and HD 3 Accel increase voice counts by 50% at 44.1 – 192 kHz sample rates (see Table 1), and triple voice counts at 44.1/48 kHz compared to Pro Tools | 24 MIX systems. The new HD Accel architecture affords nearly twice the raw DSP power as HD Process cards, not to mention additional Pro Tools 6.2 software optimizations, which further enhance the overall power of Pro Tools | HD Accel systems. The real-world benefits: Bigger and better mixes at any sample rate, support for more complex plug-in algorithms, increased plug-in counts, and an overall dramatic leap forward in day-to-day operational efficiency.

PRO TOOLS TDM SOFTWARE

Award-winning Pro Tools TDM software, included with all Pro Tools | HD systems, provides the interface between you, your computer, and your Pro Tools hardware. Within two primary windows — the Edit and Mix windows — you're able to easily execute and manage nearly every aspect of the production process with sample-level accuracy — both audio and MIDI — from recording to mastering and delivery. Throughout the production process, Pro Tools software enables you to work with both

your ears and eyes by providing aural and visual means of managing your projects through comprehensive routing options and onscreen display of waveforms, automation, and controls. Powerful, innovative features such as Beat Detective and DigiBase Pro also contribute to the fluidity of your workflow, giving you advantages that no competitor can offer.

Along with supporting Pro Tools | HD Accel, the latest Pro Tools TDM software includes several valuable additions to an already spectacular feature set. Support for the new 96i I/O, the HD-only, 96 kHz-capable 16-input/2 output audio interface, is built in. With Windows XP systems, Windows Media Audio Series 9 (WMA9) stereo import and WMA9/ WMA9 Pro stereo and multichannel export support let you take advantage of Microsoft's popular media format for both production and delivery. The Pro Tools software included with your Pro Tools | HD Accel system also manages interaction between HD Accel cards and HD Accel-optimized plug-ins, offering more plug-in instances. Other Pro Tools 6.2 software enhancements include Direct MIDI subscription to Beat Clock, a Mod Delay II Tempo Sync Button, and increased voices with software synthesizers.

PLUG-INS GALORE

Digidesign Development Partners comprise the very best third-party software manufacturing community in the industry. Their products replace racks of outboard gear, emulating and in many cases improving upon the functionality of their hardware counterparts. Pro Tools | HD Accel's architecture offers heavily increased plug-in power, translating to even more creative options than ever before. Because Pro Tools | HD Accel systems utilize the HD Core card, your existing HD-compatible plug-in library is fully supported. Simultaneously, the presence of HD Accel cards in your system allows you to take advantage of new HD Accel-optimized

plug-ins such as Digidesign's new Impact mix bus compressor, as well as future options exclusively compatible with the faster, more powerful HD Accel cards. HD Accel-enhanced systems continue to support TDM, HTDM, RTAS and AudioSuite plug-in formats, allowing you to exploit HD Accel's potent, dedicated DSP and the native resources of your computer for further processing options.



Along with the included standard DigiRack plug-in bundle, Pro Tools | HD Accel systems include the latest HDpack plug-in bundle, providing hundreds to thousands of dollars worth of premier professional plug-ins for free. At the very top of the savings list, Pro Tools | HD 3 Accel systems include literally thousands of dollars in free TDM plug-ins — making

this core system the biggest bang for your buck. HDpack in combination with HD Accel-optimized plug-ins and the free included DigiRack plug-in bundle enables you to augment your mixes to the fullest while ensuring the highest technical standard of audio quality. Visit www.digidesign.com for full information on the latest HDpack plug-in bundle.

SESSION INTERCHANGE AND COMPATIBILITY

The TDM software included with Pro Tools | HD Accel systems allows you to easily interface with any Pro Tools system — across both TDM and LE systems and computer platforms. For example, you can create a session on the Mac OS 9-based Pro Tools | HD system in the studio, take it home to work on it on your Windows XP-based Digi 002 workstation, later open it on the plane on your Mac OS X-based Mbox, then finally finish it on another Windows XP-based Pro Tools | HD Accel system. From previous-generation Pro Tools systems and sessions, the full cross-platform session compatibility of Pro Tools empowers you to work wherever you need with all settings retained. Also, with DigiTranslator 2.0, you can migrate AAF (Advanced Authoring Format) and OMF sequences back and forth between Pro Tools and Avid or other AAF/ OMF-compatible workstations.

HD INTERFACES & PERIPHERALS

The Pro Tools | HD family of audio interfaces and peripherals — representing the very best in quality in the industry — facilitates the trafficking of audio, MIDI, and other session data into and out



96i I/O



* For optimal performance, please consult our compatibility documents at www.digidesign.com/compato.

** 96i I/O does not include a legacy peripheral port.

*** 100-foot DigiLink cable supports up to 96 kHz sample rates; 50-foot maximum DigiLink cable length for 192 kHz sample rate support.

Pro Tools | HD Accel

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of your Pro Tools system. All Pro Tools | HD systems require at least one of the following Pro Tools | HD audio interfaces in order to operate: 192 I/O, 192 Digital I/O, 96 I/O, or 96i I/O. Pro Tools | HD audio interfaces handle the input and output of audio signals to and from your Pro Tools sessions. Dedicated expansion ports on each device enable you to interconnect additional HD peripherals as well as to incorporate Pro Tools | 24 MIX systems' legacy Digidesign hardware into your studio if desired. ** SYNC I/O handles the synchronization of your Pro Tools | HD system and other studio gear; MIDI I/O facilitates MIDI connectivity and data transfer; and PRE provides eight channels of ultra-transparent, remote-controllable mic preamplification.

Lightweight DigiLink™ cables provide connectivity between HD audio interfaces and HD Core and HD Accel cards at lengths of up to 100 feet.*** DigiLink cables are also used to daisy-chain 192 I/O, 192 Digital, 96 I/O, and the new 96i I/O units.

CONTROL SURFACE OPTIONS

Adding either the ProControl or Control | 24 control surface to your Pro Tools | HD Accel system gives you total tactile control of the extensive Pro Tools software feature set, significantly enhancing productivity with Pro Tools. ProControl serves as the expandable command center of your Pro Tools-based studio, offering hands-on control of mixing, editing and DSP-processing functionality, plus a comprehensive monitoring section. For environ-

ments that don't require the additional features or expandability of ProControl, Control | 24 provides a fixed, 24-fader, ergonomic control surface, sixteen Focusrite Class A mic pres, surround capabilities, Ethernet connection, and compatibility with both Pro Tools TDM- and most LE-based systems.

PRO TOOLS | HD TO PRO TOOLS | HD ACCEL EXCHANGES

For a limited time, Digidesign is offering special pricing on exchanges from Pro Tools | HD to Pro Tools | HD Accel hardware. Special exchange pricing ends December 20, 2003, so act now to accelerate your productivity by exchanging up to Pro Tools | HD Accel.

For more information on Pro Tools | HD Accel and its many options, visit the Digidesign website: www.digidesign.com.

SYSTEM REQUIREMENTS

Digidesign-approved computer running Windows XP or Mac OS X

Visit www.digidesign.com/compato for the latest compatibility information.

For the latest Digidesign product information and system requirements, and the latest Development Partner plug-in and software compatibility information, visit www.digidesign.com.

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