



Pro Tools | HD I/O

Premium, customizable
Pro Tools | HD Series audio interface



Features

- Pristine audio clarity and ultra low latency through state-of-the-art A/D and D/A conversion, premium analog circuitry, and meticulous attention to design
- Adapt the interface for your needs—choose from three configurations:
 - Get a balance of analog and digital I/O with HD I/O 8x8x8
 - Maximize your analog I/O with HD I/O 16x16 Analog
 - Go all digital with HD I/O 16x16 Digital
- Versatile digital I/O on all interfaces, with built-in sample rate conversion
- Expand or customize the I/O with analog or digital option cards
- Completely integrates with Pro Tools | HD for full input, output, and routing control
- Track hotter signals and smooth out sounds with Curv, a new built-in soft-knee limiter
- Keep things in sync with dedicated Word Clock and Loop Sync I/O
- Keep an eye on your levels easily through 32 4-segment metering LEDs
- Robust 2U rack-mountable chassis
- Connects to Pro Tools | HD through a Digilink™ Mini connection (cable and adaptor included)

Get the absolute highest audio quality and unprecedented I/O flexibility with HD I/O, a high-performance Pro Tools® | HD Series audio interface that's designed to completely integrate with Avid® Pro Tools | HD systems. While its sleek look resembles prior generation interfaces, HD I/O has been completely redesigned on the inside with high-quality electronics, giving you pristine A/D and D/A conversion, low latency, and maximum flexibility to integrate with a variety analog and digital gear.

Hear what you've been missing

A sonic improvement over its audio interface predecessors, HD I/O features premium A/D and D/A conversion, so you can achieve higher audio fidelity, extensive dynamic range, super-low jitter, and the absolute lowest possible latency in your sessions. With certain configurations, you also get built-in sample rate conversion and a soft clip feature for worry-free performance. And using Curv, a new built-in soft-knee limiter that catches even the fastest transients, you can track hotter signals and smooth out inconsistent levels from incoming sources.

The connections you need—now and later

HD I/O comes in three configurations, so you can choose the interface that best suits your connection needs. What's more, you can expand your analog or digital I/O anytime by simply installing an HD I/O option card into any empty bay (HD I/O 16x16 Analog cannot be expanded, as all four bays are occupied).

HD I/O 8x8x8

The perfect choice when you need a balance of analog and digital I/O for your music or post-production projects, with the option to expand your I/O.

- High-quality analog I/O:
 - 8 analog inputs (using DB25)
 - 8 analog outputs (using DB25)
- Versatile digital I/O:
 - 8 channels of AES/EBU I/O (supports 192 kHz single-wire and dual-wire)
 - 8 channels of TDIF I/O
 - 8 channels of ADAT I/O (supports S/MUX II and IV)
- Additional digital I/O:
 - 2 channels of AES/EBU I/O (supports 192 kHz single-wire)
 - 2 channels of S/PDIF I/O
 - 8 channels of ADAT I/O (supports S/MUX II and IV)
- One empty bay for I/O expansion

HD I/O 16x16 Analog

The ideal choice for music productions—get the maximum complement of analog inputs and outputs (can be customized by replacing a card, but not expanded).

- High-quality analog I/O:
 - 16 analog inputs (using DB25)
 - 16 analog outputs (using DB25)
- Additional digital I/O:
 - 2 channels of AES/EBU I/O (supports 192 kHz single-wire)
 - 2 channels of S/PDIF I/O
 - 8 channels of ADAT I/O (supports S/MUX II and IV)

HD I/O 16x16 Digital

The ultimate choice for post-production studios, and ideal if you need to interface with a digital mixer, dubber, or other digital infrastructure, and want the option to expand the I/O.

- Versatile digital I/O:
 - 16 channels of AES/EBU I/O (supports 192 kHz single-wire and dual-wire)
 - 16 channels of TDIF I/O
 - 16 channels of ADAT I/O (supports S/MUX II and IV)
- Additional digital I/O:
 - 2 channels of AES/EBU I/O (supports 192 kHz single-wire)
 - 2 channels of S/PDIF I/O
 - 8 channels of ADAT I/O (supports S/MUX II and IV)
- Two empty bays for I/O expansion

Pro Tools | HD I/O—Premium, customizable Pro Tools | HD Series audio interface

The ultimate in interface flexibility

As your needs grow or change, you can easily add more analog inputs, analog outputs, or digital I/O by installing an option card.

- HD I/O AD Option: Adds 8 high-fidelity analog inputs (using DB25)
- HD I/O DA Option: Adds 8 high-fidelity analog outputs (using DB25)
- HD I/O Digital Option: Adds 8 channels each of AES/EBU (supports 192 kHz single-wire and dual-wire), TDIF, and ADAT (supports S/MUX II and IV) I/O

Work with Pro Tools and more

HD I/O and all other Pro Tools | HD Series interfaces completely integrate with Pro Tools | HD, so you get maximum performance, dependability, and control of your inputs, outputs, and routing right from your Pro Tools | HD Software interface. You'll also get higher production quality and greater workflow flexibility than with previous Pro Tools interfaces. And if you want to use your interface and Pro Tools | HD hardware with other DAW software, you can do that too, as all Pro Tools | HD systems support Core Audio and ASIO drivers.

HD I/O Specifications

	HD I/O 16x16 Analog	HD I/O 8x8x8	HD I/O 16x16 Digital
Analog Inputs	16	8	0
Analog Outputs	16	8	0
AES/EBU I/O	2	8 + 2	16 + 2
AES Single-Wire (192 kHz)	yes	yes	yes
S/PDIF I/O	1 In + 1 Out (coax or optical)	1 In + 1 Out (coax or optical)	1 In + 1 Out (coax or optical)
ADAT I/O	8	8 + 8	16 + 8
S/MUX	S/MUX II and IV	S/MUX II and IV	S/MUX II and IV
SRC	n/a	8 channels (digital card)	16 channels (digital cards)
Word Clock I/O	1 In + 1 Out	1 In + 1 Out	1 In + 1 Out
Loop Sync I/O	1 In + 1 Out	1 In + 1 Out	1 In + 1 Out
Digital Interface	DigiLink Mini	DigiLink Mini	DigiLink Mini
Dynamic Range* ADC	122 dB	122 dB	n/a
Dynamic Range* DAC	125 dB	125 dB	n/a
THD+N ADC	-114 dB (0.0002%)	-114 dB (0.0002%)	n/a
THD+N DAC	-110 dB (0.00032%)	-110 dB (0.00032%)	n/a
Frequency Response ADC	20 Hz – 20 kHz (+/-0.03 dB)	20 Hz – 20 kHz (+/-0.03 dB)	n/a
Frequency Response DAC	20 Hz – 20 kHz (+/-0.15 dB)	20 Hz – 20 kHz (+/-0.15 dB)	n/a
Expansion	None (card swaps only)	1 empty bay	2 empty bays
Curv	yes	yes	n/a
Soft Clip	yes	yes	n/a
Cal Trims	yes	yes	n/a
Metering	32 4-segment LEDs	32 4-segment LEDs	32 4-segment LEDs
Internal Fan	yes	yes	yes
Chassis	2U rack-mountable	2U rack-mountable	2U rack-mountable

For more information, visit www.avid.com/hdio

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