

96 I/O

High-Quality, 24-Bit/96 kHz Multi-Channel Audio Interface

M | W
Mac OS | Windows

FEATURES

- Supports up to 16 channels of high definition I/O
- High-quality audio performance at a new, low price point
- 8 channels of 24-bit/96 kHz analog I/O (TRS)
- 8 channels of ADAT optical I/O (TOS-Link)
- 1 AES/EBU I/O pair (XLR)
- 1 S/PDIF I/O pair (RCA)
- Expansion Port allows for direct connection of another 96 I/O
- Legacy Peripheral Port allows for connection of 888|24, 882|20, 1622, and 24-Bit ADAT Bridge I/Os*

* At 48 kHz or lower sample rate

† AES/EBU and S/PDIF inputs not available simultaneously

Over the past few years, Pro Tools® | 24 MIX systems have offered professionals a comprehensive and completely flexible, proven solution for music, post production, broadcast and multimedia applications. Now, Digidesign® has topped Pro Tools | 24 MIX systems on every level with Pro Tools | HD: the new, high-definition Pro Tools digital audio workstation.

With Pro Tools | HD, Digidesign brings professionals the best sound quality ever in a Pro Tools system, along with twice the power of previous MIX systems, increased expandability options and much more. Among the new audio interface options available for Pro Tools | HD, 96 I/O™ offers a high definition, multi-channel audio interface at a new, low price point.

An affordable 16 channel audio interface for Pro Tools | HD, 96 I/O outperforms our 888 | 24 I/O™ on nearly every level — and it's available for about half the price. 96 I/O features a wealth of I/O options, including 8 channels of high-definition analog I/O, 8 channels of ADAT optical I/O, 2 channels of AES/EBU and S/PDIF I/O, and Word Clock I/O.

HIGH-QUALITY AUDIO PERFORMANCE

96 I/O features support for 96, 88.2, 48, and 44.1 kHz sample rates — making it easier than ever to work with the latest standards in the world of professional digital audio production. With new, higher sample rates and 24-bit resolution, 96 I/O enables you to capture audio with the utmost clarity and precision — all at a price that doesn't break the bank.

ANALOG & DIGITAL CONNECTIONS

Of the 20 available I/O connections, 96 I/O supports up to 16 channels of simultaneous I/O. All channels may be custom configured on

a pair-wise basis†; so, for example, input channels 1 & 2 can be selected to accept input from the S/PDIF digital inputs while input channels 3 & 4 can be set to take signals from the analog inputs, channels 5–12 from the ADAT inputs, etc.

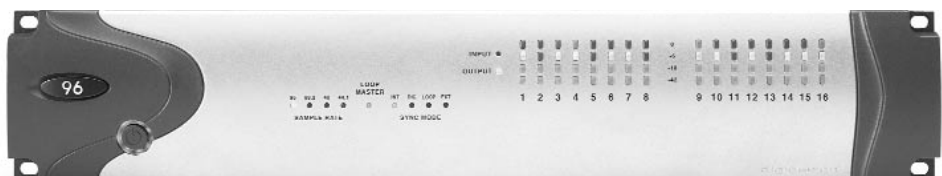
The eight analog I/O connections on 96 I/O take the form of balanced 1/4" TRS connectors, supporting 24-bit resolution and sample rates up to 96 kHz. Eight channels of 24-bit ADAT I/O are also included, allowing you to easily incorporate your ADAT optical devices directly into Pro Tools without needing to purchase a separate ADAT I/O box. The ADAT optical connections can be used simultaneously alongside the eight channels of analog I/O, or can be switched into two-channel S/PDIF optical mode.

96 I/O offers additional AES/EBU and S/PDIF digital connections that, along with the Word Clock I/O, support 96 kHz single-wire transmission. Of course, the digital connections on 96 I/O include support for lower sample rates, such as 44.1 and 48 kHz, allowing for an easy link to consumer and professional DAT recorders, CD players and other digital devices.

CONNECTING INTERFACES

HD Core™ and HD Process™ cards support up to 32 channels of I/O using Digidesign audio interfaces. The 96 I/O has been designed to allow for daisy chaining of interfaces to take full advantage of the expanded I/O count permitted with HD Core and HD Process cards.

The Expansion Port on the rear of 96 I/O allows you to use the supplied DigiLink™ cable to connect another 96 I/O for 16 more channels of high-definition input and output. A Legacy Peripheral Port is also provided, enabling you to expand your I/O capacity at 44.1/48 kHz using the 888 | 24 I/O™, 882 | 20 I/O™, 1622 I/O™ or the 24-Bit ADAT Bridge I/O™.



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SIMPLE CONFIGURATION

The newest Pro Tools software supporting Pro Tools|HD systems incorporates a new auto-identification and auto-configuration scheme employed upon launch of Pro Tools software. This eliminates the need to manually declare which interfaces are used with each HD Core or HD Process card, making installation and system setup faster and easier than ever before.

HIGHER SPECS, SMALLER CHECKS

96 I/O brings Pro Tools users a high-quality interface featuring audio performance superior to the stalwart 888|24 I/O. Now, you have

access to the same audio quality heard on countless albums, films, and television shows — all for about half the price of the 888|24 I/O.

SYSTEM REQUIREMENTS

Digidesign-approved Pro Tools TDM system

For the latest Digidesign product information and system requirements, visit www.digidesign.com.

For the latest Development Partner plug-in and software compatibility information, visit www.digidevelopers.com.

SPECIFICATIONS

A/D

Sample Rate: 44.1, 48, 88.2, 96 kHz $\pm 10\%$

Dynamic Range: 115 dB (A-weighted), 112 dB (unweighted)^{1,4}

THD+N: 0.0007% (–103 dB); +17 dBu @ 997 Hz¹

Frequency Response: ± 0.05 dB @ –2 dBu, 20 Hz – 20 kHz^{1,2}

D/A

Sample Rate: 44.1, 48, 88.2, 96 kHz $\pm 10\%$

Dynamic Range: 114 dB (A-weighted), 112 dB (unweighted)^{1,3}

THD+N: 0.0013% (–97 dB); –1 dBFS @ 997 Hz¹

Frequency Response: +0.1/–0.2 dB; –20 dBFS, 20 Hz – 20 kHz^{1,2}

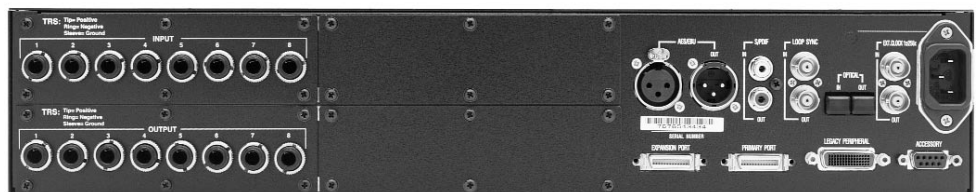
Sample Rate = 48 kHz, Noise BW = 22 Hz – 20 kHz unless otherwise noted, Tambient = +25 C

1 Measurement made using +4 dBu inputs or outputs

2 Measured relative to level at 1 kHz

3 Measured with digital input at –60 dBFS @ 997 Hz

4 ADC measured with analog input level at –42 dBu @ 997 Hz



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