

# PRO TOOLS | CARBON

## Built to capture brilliance

Pro Tools | Carbon™ is a high-performance, expandable hybrid audio production system that delivers impeccable sound, supporting seamless DSP and native Pro Tools® workflows to capture your creativity without compromise. Whether using a single interface or a Carbon Expanded system with Pro Tools | Carbon Pre, which provides additional preamps and I/O, you can bring the power and sound of the flagship Pro Tools | HDX™ system anywhere you want to record.

### RECORD WITH MORE DEPTH AND PRECISION

Pro Tools | Carbon is designed with a focus on the art of recording. It captures 32-bit audio right at the converters and maintains a full 32-bit path from input to output for stunning sound quality and dynamic range. With transparent mic preamps and variable impedance, you can subtly change the tone of your mics, while integrated monitoring delivers pristine latency-free sound, so you can capture every detail you hear in the room. With multiple ADCs applied to each input and industry-leading double-precision clocking, you'll hear and feel every nuance in your recordings.

### NO LATENCY—PERIOD

Pro Tools | Carbon is fully integrated with Pro Tools, enabling you to record, edit, and mix in a single application without having to bounce between software. The patented Hybrid Engine takes advantage of your host computer's power for mixing and processing while using the HDX DSPs in Carbon for near-zero latency recording. Toggle any track into DSP mode, and the Hybrid Engine seamlessly moves your entire live signal path to use real-time AAX DSP plugins for recording. Toggle a track back, and the Hybrid Engine automatically switches to use the AAX Native versions of your plugins, giving you the freedom to adjust plugin parameters as the track evolves.

### GET THE ULTIMATE SOFTWARE BUNDLE

Pro Tools | Carbon now comes with a Pro Tools Ultimate™ perpetual license, providing the complete advanced toolset, plus a massive collection of plugins, loops, and sounds. It also includes a curated bundle of tools, providing everything you need to create album-quality music. Get a faithful emulation of the classic Neve® VXS™ analog console, Mesa Boogie and Marshall amp simulations from Brainworx, a modular channel strip from McDSP, virtual instruments from UVI and Native Instruments, and more. Plus, you can expand your sonic palette with hundreds more AAX DSP plugins from the most respected audio companies in the industry. All together, Carbon gives you more bang for the buck than any other interface available.

### BUILD YOUR STUDIO AROUND CARBON

More hit records have been made on Pro Tools and Pro Tools | HDX than any other music production platform. With Pro Tools | Carbon, you get the power of our flagship system in a single integrated audio interface with 25 x 34 simultaneous I/O, eight remotely controllable and recallable ultra-low-noise mic preamps, four headphone amps, built-in talkback, 16 channels of ADAT, and latency-free monitoring. And with the ability to expand your I/O with Carbon Pre, giving you up to 24 mic/line inputs and 24 line outputs total, Carbon will be the heart and soul of your studio—wherever you need it to be.

### KEY FEATURES

- ▶ Achieve maximum Pro Tools performance with a hybrid system that harnesses onboard HDX DSP and native CPU power
- ▶ Record flawlessly through AAX DSP plugins in real time, enabling you to create polished cue mixes and track with near-zero latency
- ▶ Toggle any track from native to DSP processing mode, freeing up your CPU cores to handle virtual instruments and more creative mixing

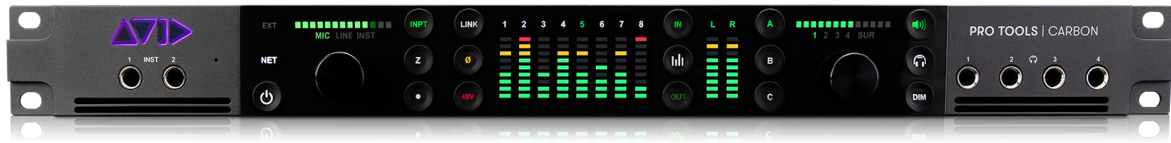


- ▶ Capture every performance detail with up to 32-bit/192 kHz audio conversion, double precision clocking, and our most transparent mic preamp design ever
- ▶ Create, record, edit, and mix professional-quality music with Pro Tools Ultimate, thousands of instrument sounds, and studio-staple effects and sound processors
- ▶ Expand your sonic possibilities with a special pack of premium plugins from Arturia McDSP, Plugin Alliance, UVI, Native Instruments, and more
- ▶ Get all the I/O you need to record an entire band, with 25 x 34 simultaneous channels, including four headphone outs—and expand Carbon up to 24 mic/line inputs and line outputs with Carbon Pre
- ▶ Optimize or change up the tone of your mics, guitars, and basses with Variable Z inputs

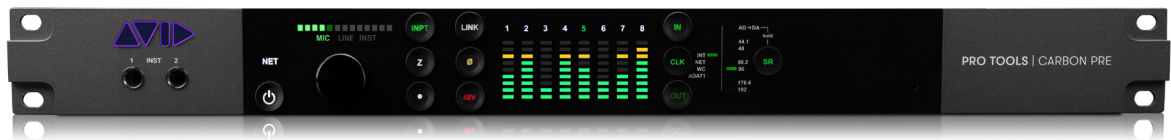
FOR MORE INFORMATION, VISIT  
[avid.com/carbon](https://www.avid.com/carbon)



# Pro Tools | Carbon—Built to capture brilliance



Record through AAX DSP plugins—with near-zero latency—  
with the DSP-accelerated Pro Tools | Carbon interface



Expand your I/O with up to two Pro Tools | Carbon Pre interfaces,  
enabling up to 24 mic/line inputs and 24 line outputs

## WHAT'S INCLUDED WITH PRO TOOLS | CARBON

- › Pro Tools | Carbon audio interface
- › Pro Tools Ultimate software perpetual license
  - 1-year Software Updates + Support Plan\*
  - Over 120 AAX plugins (over 70 AAX DSP plugins), including the Avid Complete Plugin Bundle and HEAT
  - Access to Celemony Melodyne 5 essential, SoundFlow Cloud Avid Edition, and a massive collection of loops and samples
- › Power cable
- › Ethernet cable
- › Rackmount screws and desktop feet
- › Registration card
- › Additional premium plugins included
  - Arturia Rev PLATE-140
  - Brainworx bx\_console N
  - Brainworx bx\_rockrack
  - Brainworx bx\_masterdesk
  - Brainworx Purple Audio MC77
  - Embody Immerse Virtual Studio
  - McDSP 6050 Ultimate Channel Strip HD
  - Native Instruments Vintage Organs
  - UVI Model D

## WHAT'S INCLUDED WITH PRO TOOLS | CARBON PRE

- › Pro Tools | Carbon Pre audio interface
- › Power cable
- › Ethernet cable
- › Rackmount screws and desktop feet
- › Registration card

\* Pro Tools | Carbon comes with a 1-year Software Updates + Support Plan for Pro Tools Ultimate, which includes access to the Avid Complete Plugin Bundle, HEAT, Celemony Melodyne 5 essential, SoundFlow Cloud Avid Edition, Avid Loopmasters SamplePack, and ExpertPlus support, renewable annually. If you choose not to renew your support plan, you will lose access to the latest software updates, the software bundle noted above, and support (your Pro Tools perpetual license won't ever expire, and you will still have access to a core set of plugins).

# Pro Tools | Carbon—Built to capture brilliance



	PRO TOOLS   CARBON	PRO TOOLS   CARBON PRE
Simultaneous I/O	25 x 34	24 x 24
Audio resolution	Up to 32-bit, 192 kHz	Up to 32-bit, 192 kHz
Mic preamps	8	8
Phantom power	+48V	+48V
Integrated monitoring and talkback	Yes	No
Form factor	1U rack-mountable unit	1U rack-mountable unit
Dimensions (H x W x D)	1.8 x 19 x 13.5 inches (45 x 482 x 343 mm)	1.8 x 19 x 13.5 inches (45 x 482 x 343 mm)
Weight	17.3 lbs (7.8 kg)	11 lbs (5 kg)
Connectivity	2 AVB Ethernet ports for host connection and expansion	2 AVB Ethernet ports for Pro Tools   Carbon I/O expansion or host connection
Maximum I/O expansion	Pro Tools   Carbon supports up to two Pro Tools   Carbon Pre interfaces for up to 24 mic/line inputs and 24 line outputs	

## INPUTS AND OUTPUTS

Analog inputs	<ul style="list-style-type: none"> <li>8 balanced XLR/TRS mic/line inputs with Variable Z (impedance) on inputs 5–8, remote controllable from Pro Tools</li> <li>2 unbalanced Variable Z 1/4-inch TS instrument inputs</li> <li>8 balanced line inputs (DB25)</li> </ul>	<ul style="list-style-type: none"> <li>8 balanced XLR/TRS mic/line inputs with Variable Z (impedance) on inputs 5–8, remote controllable from Pro Tools</li> <li>2 unbalanced Variable Z 1/4-inch TS instrument inputs</li> <li>8 balanced line inputs (DB25)</li> </ul>
Analog outputs	<ul style="list-style-type: none"> <li>8 balanced line outputs (DB25)</li> <li>2 balanced 1/4-inch TRS monitor outputs</li> <li>4 stereo 1/4-inch TRS headphone outputs</li> </ul>	<ul style="list-style-type: none"> <li>8 balanced line outputs (DB25)</li> </ul>
Digital inputs	ADAT: 16 channels @ 44.1–48 kHz, 8 channels @ 88.2–96 kHz, 4 channels @ 176.4–192 kHz	
Digital outputs	ADAT: 16 channels @ 44.1–48 kHz, 8 channels @ 88.2–96 kHz, 4 channels @ 176.4–192 kHz	
Other I/O	<ul style="list-style-type: none"> <li>Word Clock I/O</li> <li>Footswitch input</li> </ul>	<ul style="list-style-type: none"> <li>Word Clock I/O</li> </ul>

## A/D CONVERSION

Mic preamps	<ul style="list-style-type: none"> <li>Dynamic Range: 126 dB (A-weighted)</li> <li>THD+N: -105 dB (0.00056%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> <li>EIN: -129 dB (A-weighted)</li> </ul>
Line inputs	<ul style="list-style-type: none"> <li>Dynamic Range: 125 dB (A-weighted)</li> <li>THD+N: -106 dB (0.0005%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> </ul>
Line inputs (True Bypass)	<ul style="list-style-type: none"> <li>Dynamic Range: 126 dB (A-weighted)</li> <li>THD+N: -113 dB (0.00022%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> </ul>
Instrument inputs	<ul style="list-style-type: none"> <li>Dynamic Range: 125 dB (A-weighted)</li> <li>THD+N: -103 dB (0.0007%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> </ul>

## D/A CONVERSION

Line outputs	<ul style="list-style-type: none"> <li>Dynamic Range: 120 dB (A-weighted)</li> <li>THD+N: -110 dB (0.0003%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> </ul>
Monitor outputs	<ul style="list-style-type: none"> <li>Dynamic Range: 120 dB (A-weighted)</li> <li>THD+N: -110 dB (0.0003%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> </ul>
Headphone outputs	<ul style="list-style-type: none"> <li>Power: 100 mW into 300 Ohm; 200 mW into 32 Ohm</li> <li>Dynamic Range: 116 dB (A-weighted)</li> <li>THD+N (32 Ohm): -87 dB (0.0045%)</li> <li>THD+N (300 Ohm): -100 dB (0.001%)</li> <li>Frequency Response: 20 Hz–20 kHz, ±0.1 dB</li> </ul>

## DSP ACCELERATION

HDX DSP	8 HDX DSP processors (2.8 GHz aggregated processing)
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