



# Pro Tools | Carbon vs. MTRX Studio Bundle Comparison



	Pro Tools   Carbon™	Pro Tools   HDX™ Thunderbolt 3 MTRX Studio Bundle
	\$3,999 USD	\$9,999 USD
Differentiation	All-in-one interface with onboard HDX DSP acceleration, made for music production.	Modular and designed for the highest performance, so that music and audio post pros can deliver their most demanding work.
	<p>Individuals and project studios Designed with music recording in mind All-in-one interface and DSP acceleration</p> 	<p>Studios and audio post facilities Designed for the most demanding work in music and post Modular, expandable DSP and I/O</p> 

## DSP ACCELERATION AND PRO TOOLS INTEGRATION

HDX DSP (HDX Engine)	8 HDX DSP processors (2.8 GHz aggregated processing)	18 HDX DSP processors (6.3 GHz aggregated processing)
Latency	sub-1 ms	sub-1 ms
Hybrid Engine (intelligent Pro Tools integration)	Yes	Coming soon
DAW Support	Pro Tools® & Pro Tools   Ultimate™	Pro Tools   Ultimate

## OS COMPATIBILITY

System Compatibility	Mac Only	Mac and Windows
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## ANALOG AND DIGITAL I/O

Maximum simultaneous channels of I/O	25 inputs x 34 outputs	64 inputs x 64 outputs
Configurability	Static I/O configuration	Static I/O configuration
Mic/Instrument inputs	8x Preamp Inputs (Variable Z on combo mic inputs 5-8) 2x Instrument inputs (Variable Z)	2 x 1/4"
Analog Line I/O	8 x 8 (DB25)	16 x 16 (DB25)
ADAT I/O	2 x Optical (ADAT/SMUX) 16 x 16	16 x 16
AES/EBU I/O	None	None
DANTE I/O	None	64 x 64
DigiLink I/O	None	Two 32-channel DigiLink™ Mini connectors (64 channels total)
MADI I/O	None	None
Dedicated monitor outputs	2 x 1/4"	2 x 1/4"
Headphone outputs	4 x 1/4" (stereo)	2 x 1/4" (stereo)

## MONITORING AND ROUTING

Monitoring Formats	Mono, Stereo	Mono, Stereo, Surround (5.1, 7.1), Dolby Atmos
Cross-point digital matrix	None	512 x 512
Summing matrix with monitor profiles	None	256 x 16 - Monitor Groups - Fold Downs - Group Formats
Integrated speaker calibration	None	Built-in SPQ speaker processing with 256 filters on 16 channels; delay management adjustable up to 150 ms per channel

## ADDITIONAL SPECIFICATIONS

EUCON integration	Coming Soon	Yes
Footswitch	Yes	Yes
System Connectivity	Ethernet (AVB)	DigiLink
System sync	Word Clock via BNC connectors	Word Clock and Loop Sync via BNC connectors; Dante Sync
Frame edge sync	None	Yes
Supported sample rates	44.1 KHZ–192 KHZ	44.1 kHz–192 kHz
Power supply	Single	Single
Chassis	1U 19" rack-mountable unit	1U 19" rack-mountable unit

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

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