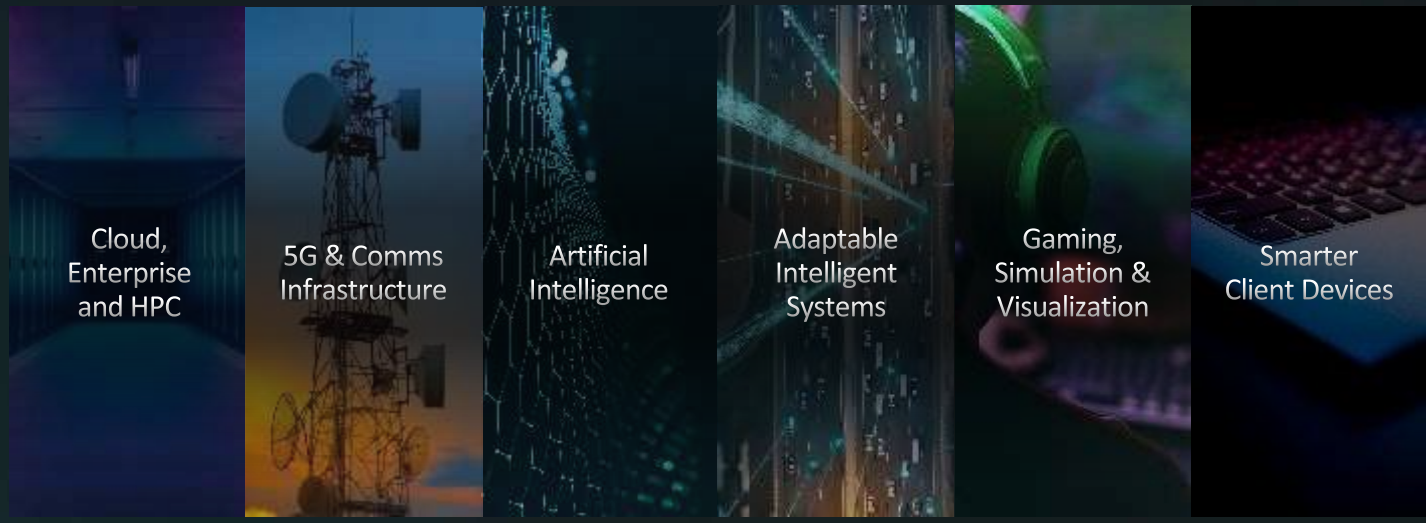
AMD

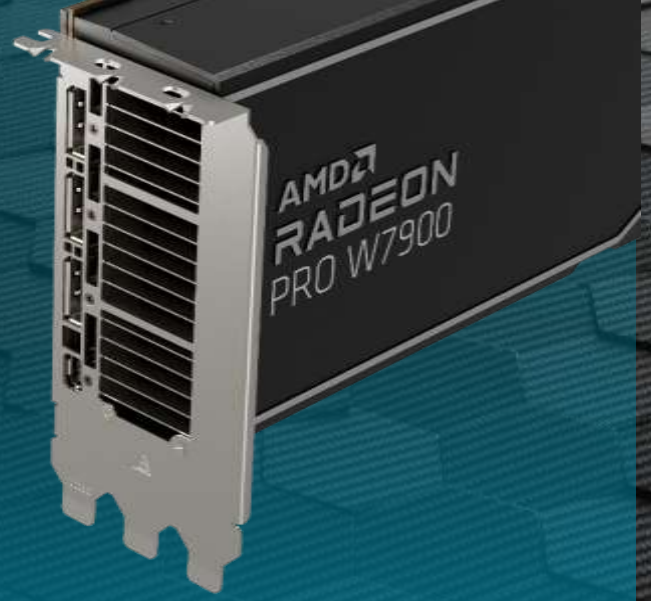
computing powers the daily lives of billions



AMD Ryzen™ Threadripper PRO

5000 WX-Series

PROCESSORS



AMD Radeon™ PRO

W7900

GRAPHICS

AMD Software:

PRO Edition™

SOFTWARE

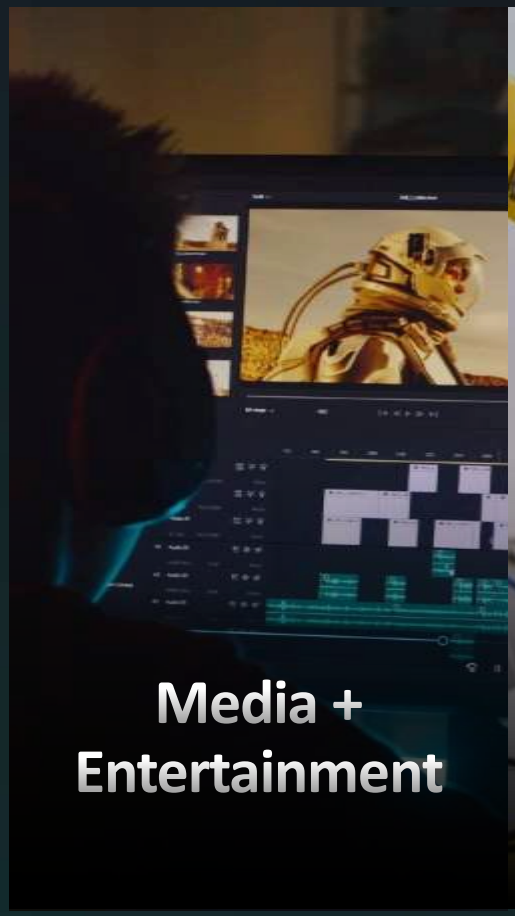
Amplified Performance
Professional Ecosystem

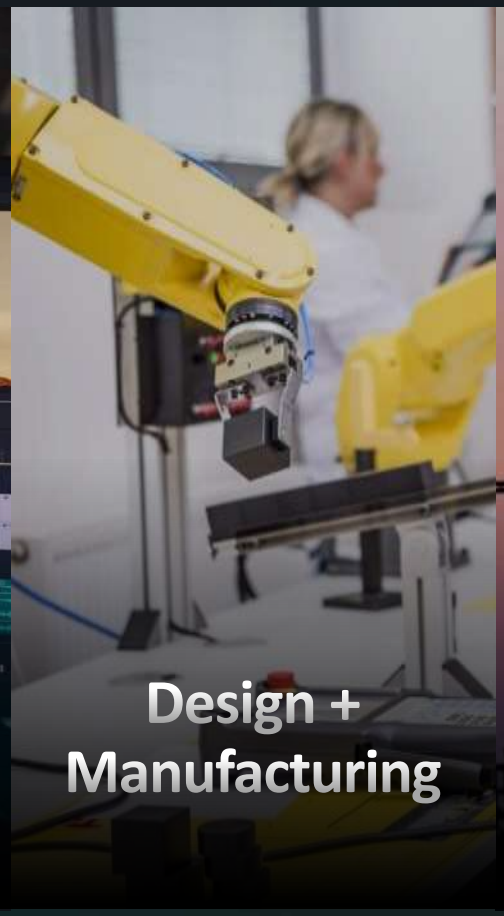
AMD
RADEON
PRO

Heavy to Extreme Workloads

Designed to take on tough challenges across industries

Powered by AMD RDNA™ 3 Architecture for Modern Professionals



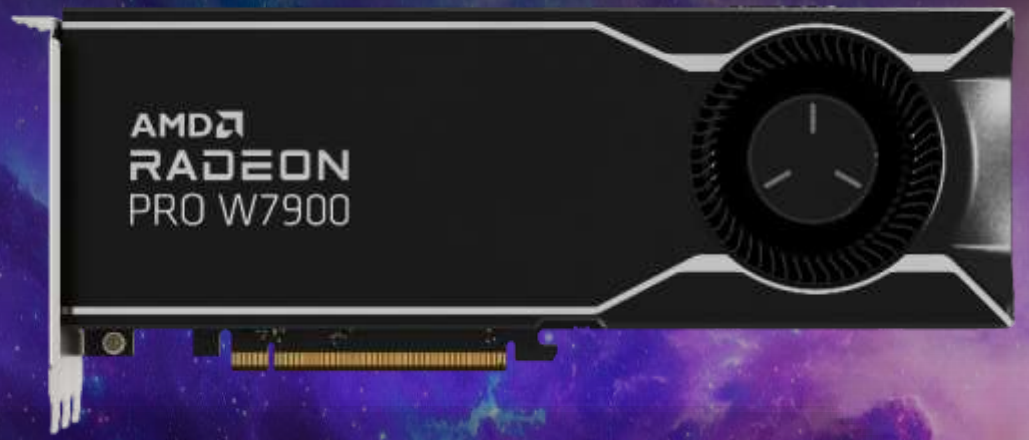


AMD's Most Advanced PRO GPUs

AMD Radeon™
PRO W7800

32GB
GDDR6 Memory with ECC

$2,499



AMD Radeon™
PRO W7900

48GB
GDDR6 Memory with ECC

$3,999

Available Q2, 2023

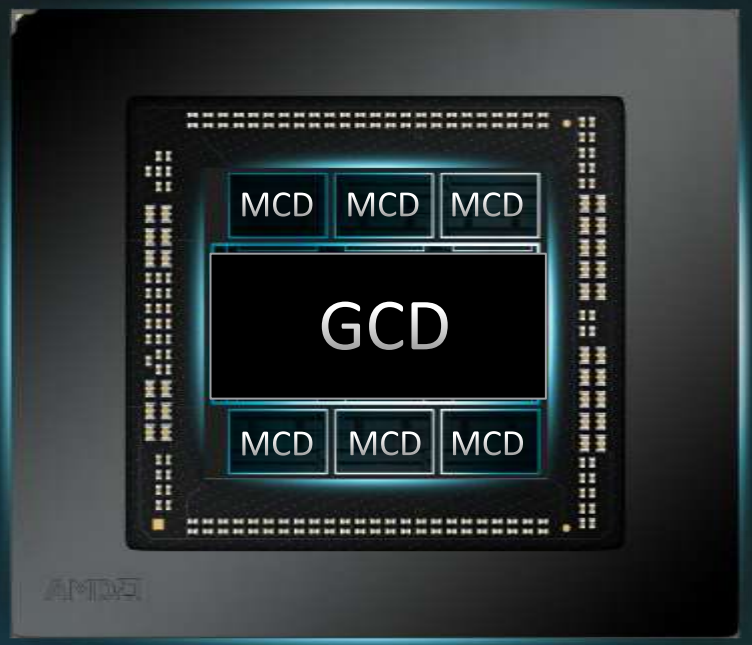
AMD USD is suggested e-tail pricing (SEP) as of April 13, 2023

AMD RADEON PRO

AMD RDNA 3

EFFICIENT CHIPLET TECHNOLOGY

AMD Radeon™ PRO W7000 Series



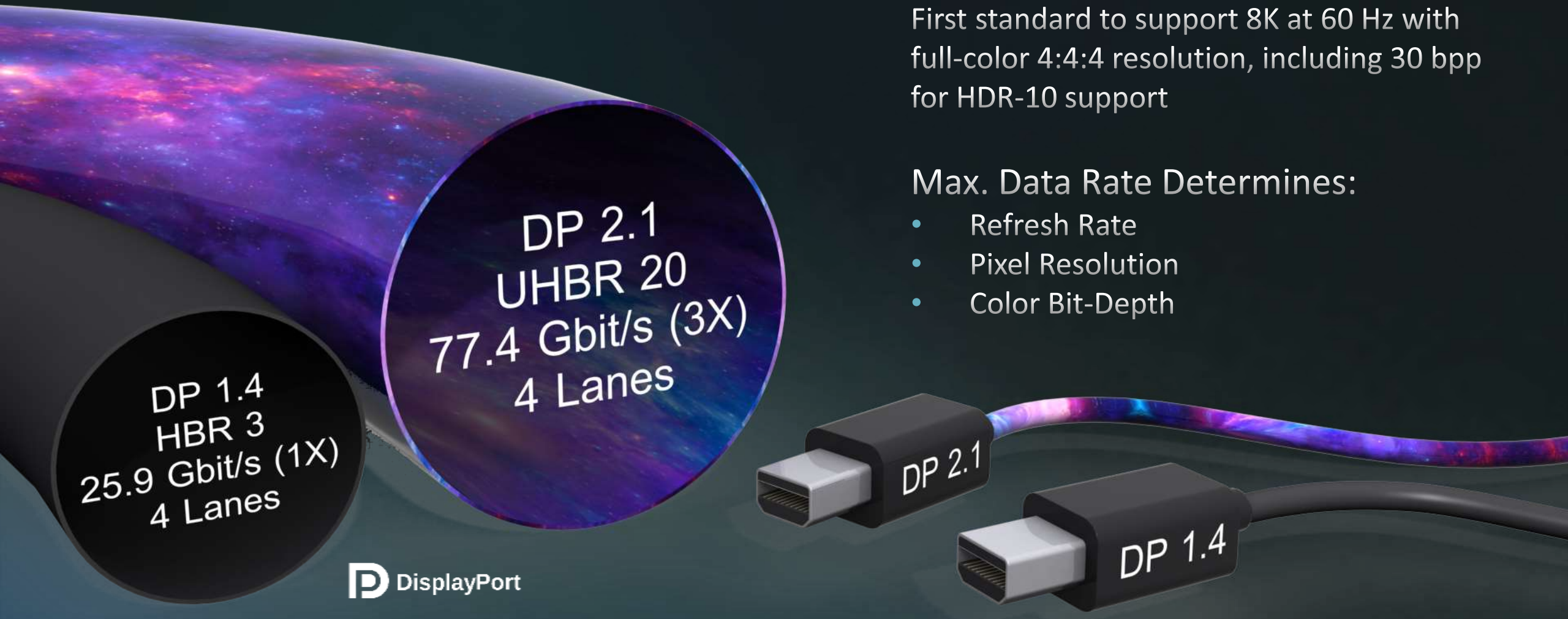
5nm **Graphics Compute Die** (GCD)
6nm **Memory Cache Die** (MCD)

- New Dual Media Engine
- 2x Simultaneous Encode/Decode Streams
- Up to 8K60 AV1 Encode (new) & Decode
- AI Enhanced Video Encode (new)

See endnote(s): GD-176

WORLD'S FIRST PRO GPU WITH DISPLAYPORT™ 2.1

AMD Radiance Display™ Engine



First standard to support 8K at 60 Hz with full-color 4:4:4 resolution, including 30 bpp for HDR-10 support

Max. Data Rate Determines:

- Refresh Rate
- Pixel Resolution
- Color Bit-Depth

See endnote(s): RPW-426

READY FOR
NEXT-GEN DISPLAYS

DELL SAMSUNG ASUS

LG acer

	The Rest DisplayPort™ 1.4	AMD Radeon™ PRO W7000 Series DisplayPort™ 2.1
High Frame Rate	8K60 w/DSC	8K120 w/DSC
Accurate Color	8K60 Compressed	8K60 Uncompressed
Larger Resolutions	8K60 w/DSC	12K60 w/DSC

See endnote(s): RPW-426

INTRODUCING

AMD Radeon™ PRO W7900

FOR EXTREME WORKLOADS

48 GB
384-bit GDDR6 with ECC

DisplayPort™ 2.1
Up to 80Gbit/s total bandwidth

96 CUs
AMD RDNA™ 3 Unified CUs (RT+AI)

61 TFLOPS
Peak Single Precision (FP32)

AV1
Encode & Decode

295W
Total Board Power

See endnote(s): GD-176

INTRODUCING

AMD Radeon™ PRO W7800

FOR HEAVY WORKLOADS

32 GB	DisplayPort™ 2. 1	70 CUs	45 TFLOPS	AV1	260W
256-bit GDDR6 with ECC	Up to 80Gbit/s total bandwidth	AMD RDNA™ 3 Unified CUs (RT+AI)	Peak Single Precision (FP32)	Encode & Decode	Total Board Power

See endnote(s): GD-176

TOP OF STACK GENERATIONAL IMPROVEMENTS

AMD Radeon™ PRO W7900 vs. Radeon™ PRO W6800

1.5x

Memory

Larger 3D models
Efficient multitasking
Heavier RAW media

DP 2.1

3x

Maximum Total Data Rate

Industry leading
Radiant colors
Huge displays

SPECviewperf™ Geomean (up to)

1.5x

More performance

Dense geometry
Fluid viewports
Complex datasets

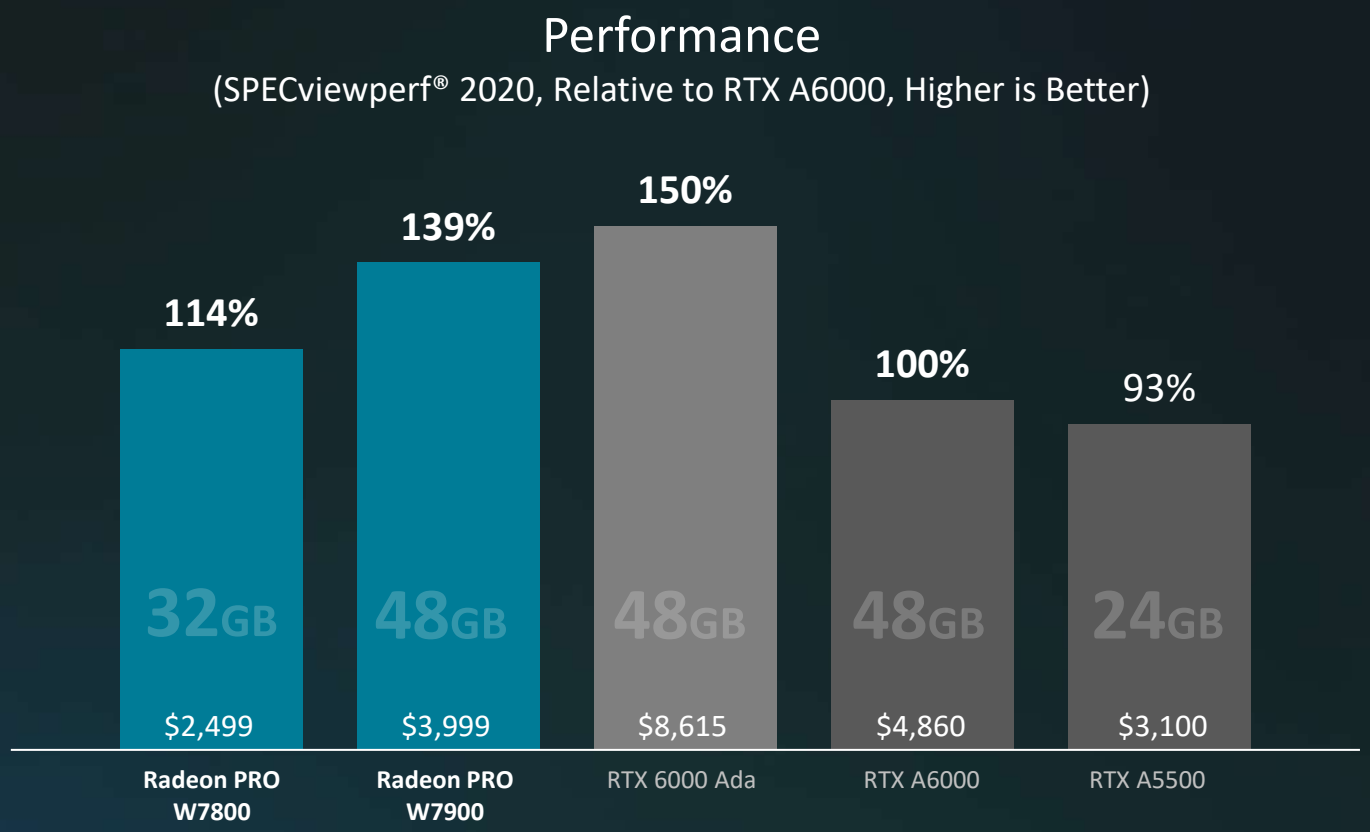
See endnote(s): RPW-411, 425, 426

COMPETITIVE LANDSCAPE

	AMD RADEON PRO W7900	NVIDIA RTX A6000	NVIDIA RTX 6000 Ada	AMD RADEON PRO W7800	NVIDIA RTX A5500
					
VRAM	48GB	48GB	48GB	32GB	24GB
SPECviewperf® Geomean	329.0	236.4	353.6	270.5	219.9
DisplayPort™	2.1	1.4	1.4	2.1	1.4
Power (TBP)	295W	300W	300W	260W	300W
	$3,999	$4,860	$8,615	$2,499	$3,100

AMD prices listed are SEP. CDW USD e-tail pricing for individual NVIDIA GPUs as of March 27th, 2023. See endnote(s): RPW-409c, 414

COMPETITIVE ANALYSIS - GEOMEAN



AMD Radeon™

PRO W7900

Within

7% of the Performance

vs. NVIDIA RTX 6000 Ada

At

1/2 the Price

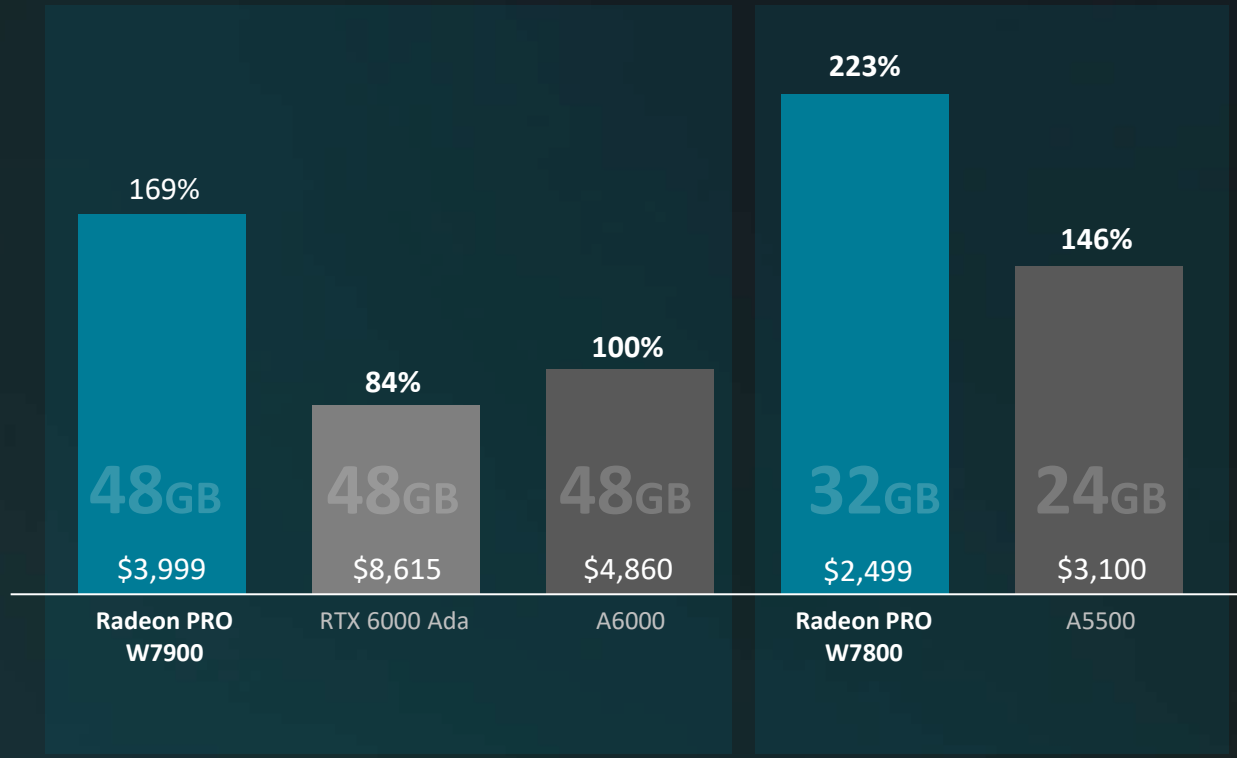
Based on SPECviewperf® 2020

See endnote(s): RPW-414, 409c

PRICE PERFORMANCE LEADERSHIP

Performance per Dollar

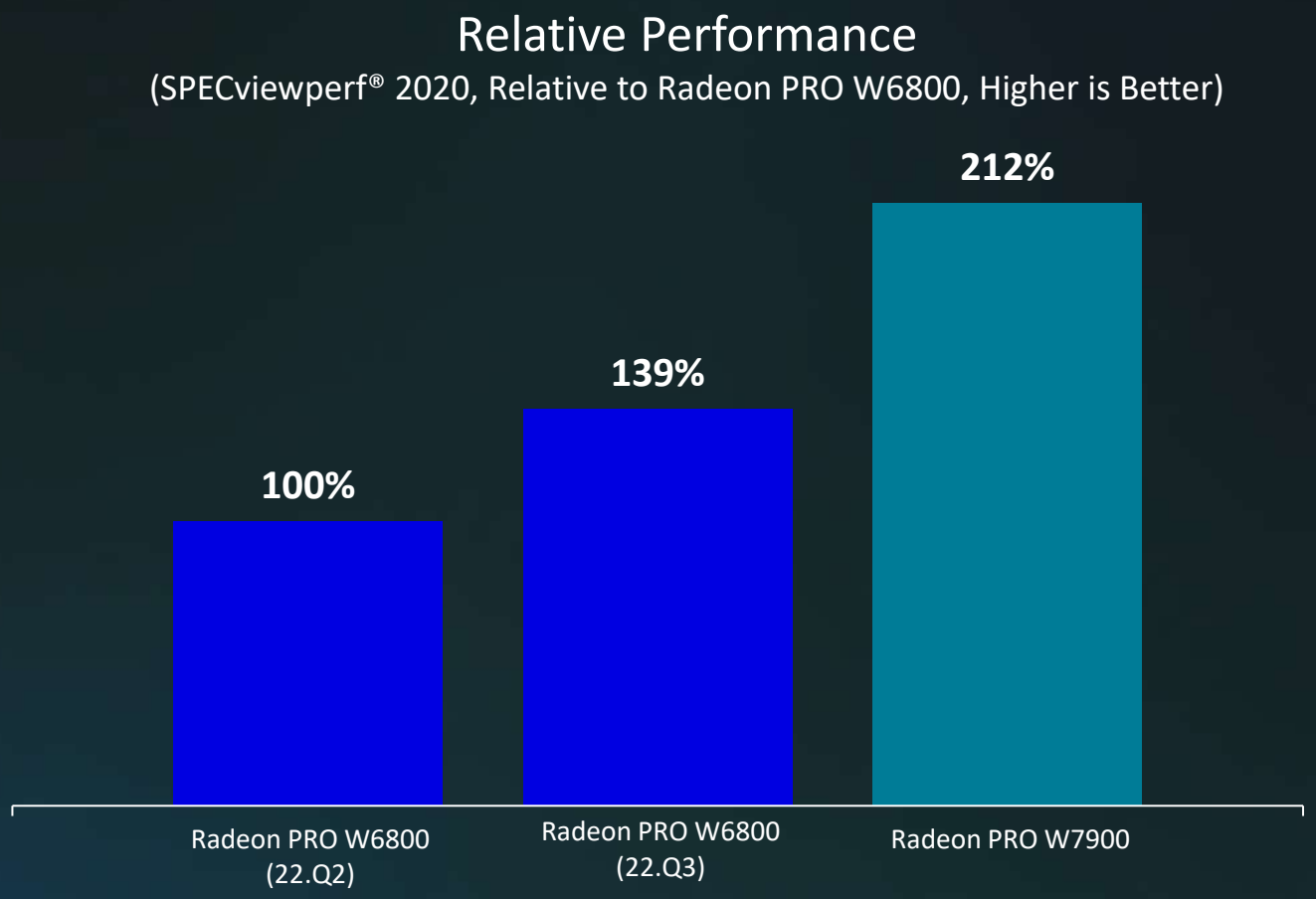
(SPECviewperf® 2020, Relative to RTX A6000, Higher is Better)



Based on SPECviewperf® 2020

See endnote(s): RPW-415, 409c

CONTINUOUS PERFORMANCE IMPROVEMENTS



AMD Radeon™
PRO W7900

over
2x Higher Performance

vs. W6800 with 22.Q2 Driver

Based on SPECviewperf® 2020

See endnote(s): RPS-151, RPW-414, 427

HEAVY TO EXTREME WORKLOADS

TARGETING ALL MAJOR WORKSTATION VERTICALS

Architecture, Engineering and Construction (AEC)

- Larger CAD & BIM models
- VR / AR / real-time workflows
- Drone-photography & video
- Photogrammetry point clouds
- Multi-tasking

Product Design and Manufacturing (D&M)

- Heavier 3D datasets & assemblies
- Virtual prototyping
- Growing demand for photorealism
- Design review & visualization
- Multi-tasking

Media and Entertainment (M&E)

- Higher resolution cameras
- 4K/8K deliverables
- Greater demand for visual FX
- 12 bit and HDR pipelines
- Multi-tasking

More pixels. More polygons. More layers. More colors.

AMD RADEON PRO

AMD RADEON PRO

×

KITESTRING

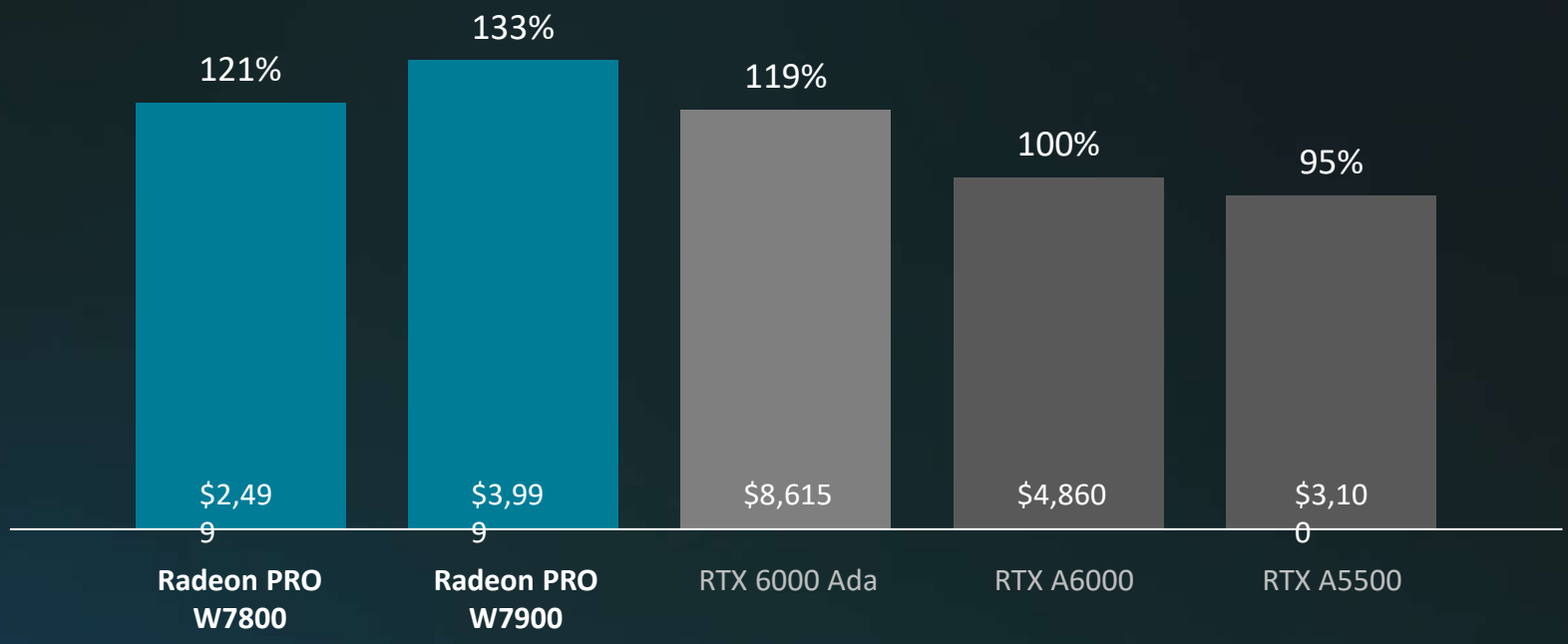
"The increased memory that the new AMD RDNA 3 GPUs offer, allows us to have multiple instances of Maya, Modo, and Unreal Engine **open at the same time**.

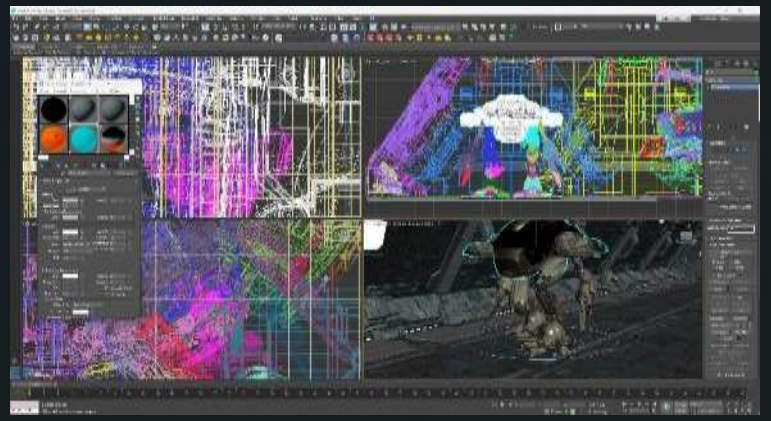
All of this means that production work gets done faster and in real time. It's absolutely mind-blowing what these cards have allowed us to do!"

RICH HURREY
PRESIDENT, FOUNDER
KITESTRING

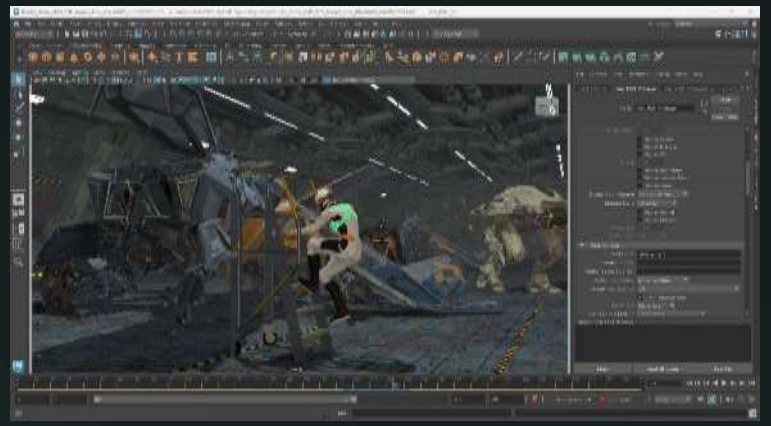
AUTODESK 3DS MAX & MAYA

More Pixels. More Polygons. More Performance.





Autodesk® 3ds Max®



Autodesk® Maya®

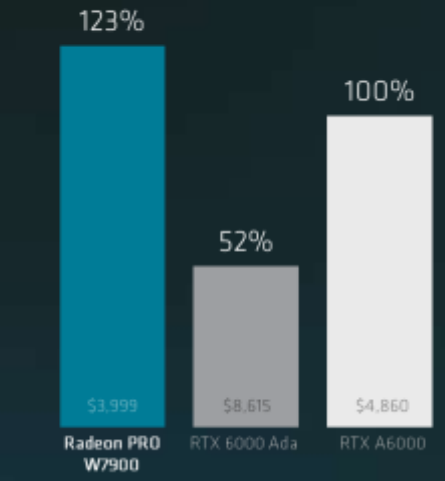
Based on SPECviewperf 2020 M&E Geomean of 3dsmax-07 & maya-06.

See endnote(s): RPW-416, 409c

MAXIMIZING PERFORMANCE PER DOLLAR FOR CREATORS

Autodesk Maya

Performance per Dollar
(4K GPU Score, Relative to RTX A6000, Higher is Better)



Up to **2.4x** Performance per Dollar

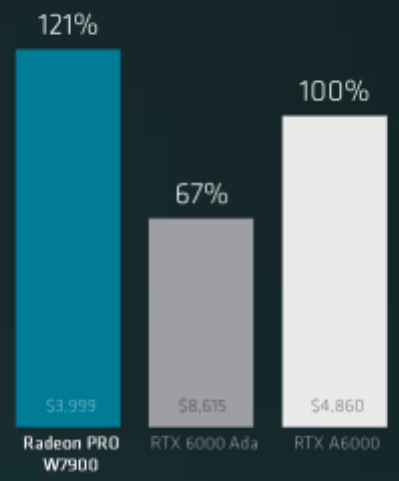
vs. Nvidia RTX 6000 Ada

Based on SPECapc® 2023

See endnote(s): RPW-417, 409c

Adobe Premiere Pro

Performance per Dollar
(GPU Score, Relative to RTX A6000, Higher is Better)



Up to **1.8x** Performance per Dollar

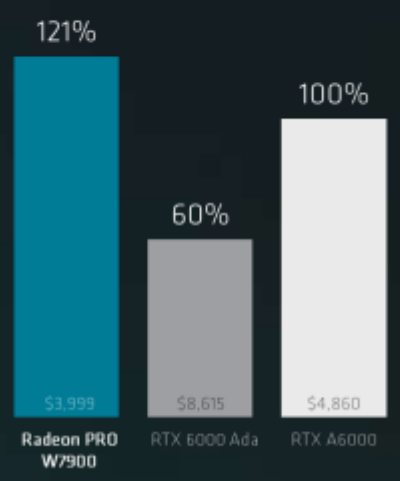
vs. Nvidia RTX 6000 Ada

Based on PugetBench for Premiere® Pro

See endnote(s): RPW-418, 409c

Adobe After Effects

Performance per Dollar
(Overall Score, Relative to RTX A6000, Higher is Better)



Up to **2.0x** Performance per Dollar

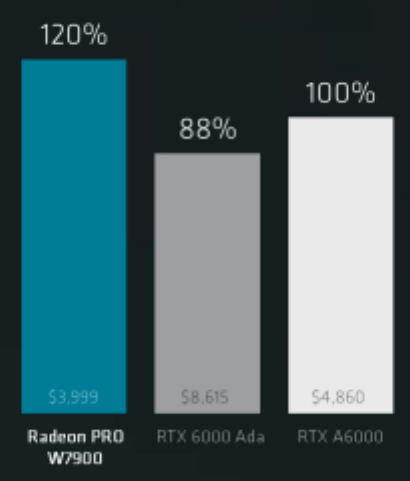
vs. Nvidia RTX 6000 Ada

Based on PugetBench for After Effects®

See endnote(s): RPW-419, 409c

Blackmagic DaVinci Resolve

Performance per Dollar
(GPU Effects Score, Relative to RTX A6000, Higher is Better)



Up to **1.4x** Performance per Dollar

vs. Nvidia RTX 6000

Based on PugetBench for DaVinci® Resolve

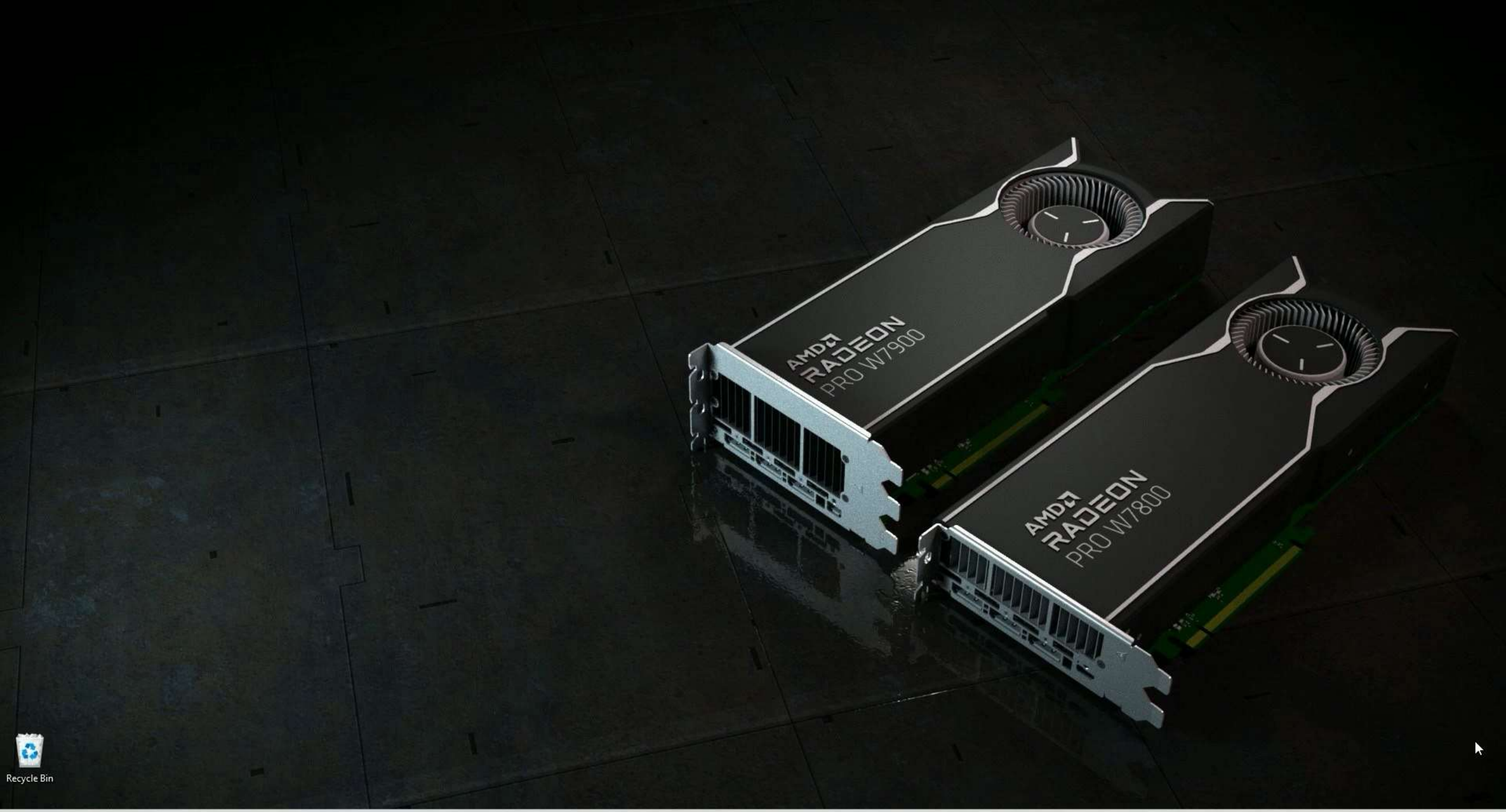
See endnote(s): RPW-420, 409c

AMD RADEON PRO

Maxon Redshift

Large frame-buffer rendering option

Hardware raytracing support for AMD Radeon™ (Available Q2.2023)



Recycle Bin

Search

3:41 PM
5/1/2023

AMD RADEON PRO × DR.PAX

"Large format renders require more horsepower, especially when doing 4K raytraced animations using [SOLIDWORKS®] Visualize. The Radeon PRO W7900 allows me to easily keep working on the model while rendering in the background."

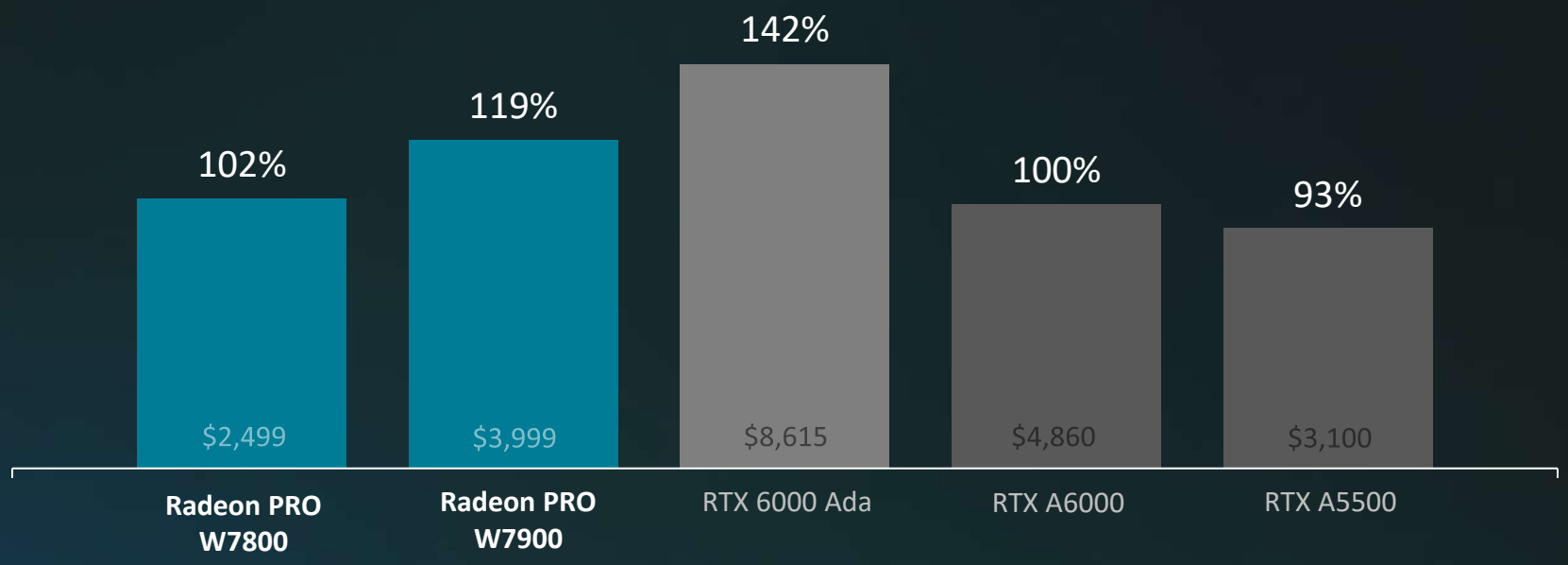
- Dr. Adi Pandzic, Ph.D.

DESIGN + MANUFACTURING

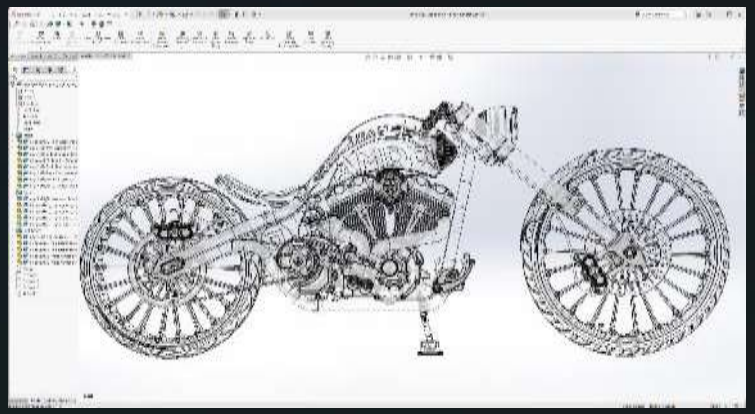
More Iterations. More Details. More Clarity.

CAD: Relative Performance

(Relative to RTX A6000, Higher is Better)



CAD = GEOMEAN of Catia-06, Creo-03, Snx-04, Solidworks-07, relative performance to RTX A6000



SOLIDWORKS 2023

SOLIDWORKS Visualize 2023

See endnote(s): RPW-421, 409c

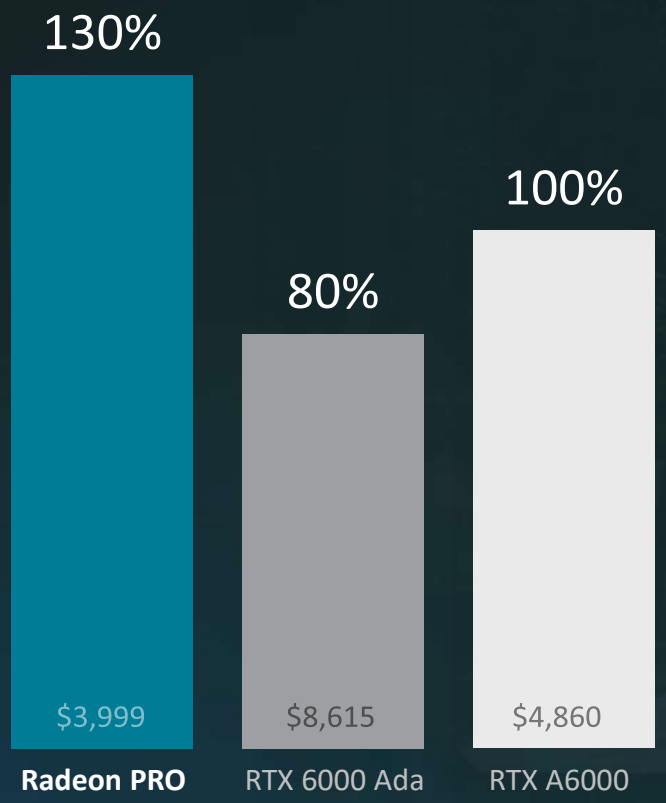
AMD RADEON PRO × Stantec

"I couldn't do that [multitasking] before on my old Nvidia-based system because once the GPU attacked the Lumion rendering, the rest of the system was basically just in 'shut down' mode."

- Rob Terry, Senior Designer

AMD RADEON PRO

Lumion



AMD Radeon™

PRO W7900

1.3x Performance per Dollar

vs. Nvidia RTX A6000

1.6x Performance per Dollar

vs. Nvidia RTX 6000 Ada

Based on Lumion Pro 2023 “Glass House” and “Downtown Development”

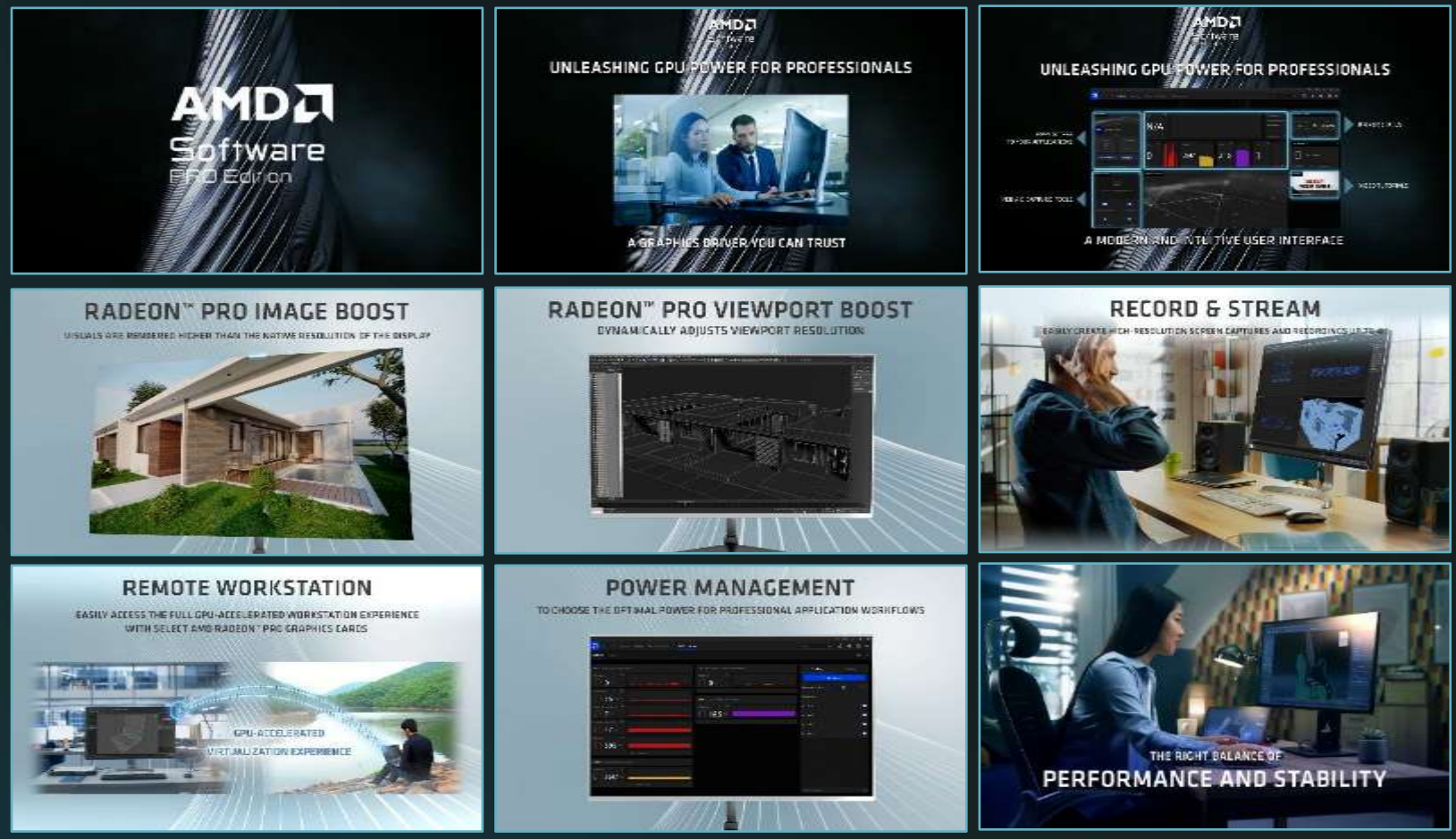
See endnote(s): RPW-423, 409c

AMD RADEON PRO

AMD SOFTWARE: PRO EDITION

Certified in many popular applications

- Modern UI or Headless
- Professional Features
- Regular Driver Updates
- Rethink Power Efficiency
- Focus on Reliability



SIEMENS NX · AUTODESK 3DS MAX · SOLIDWORKS · MAYA · Ansys · SOLID EDGE · INVENTOR · FEMAP · AUTODESK REVIT · HEXAGON · AUTOCAD CIVIL 3D · AUTODESK MOTIONBUILDER · Bentley MicroStation · AUTOCAD · Bentley CONTEXT CAPTURE · + More…

AMD.com/CERTIFIED

- Over 1700 Professional Certifications
- Stable performance on Microsoft Windows® and Linux® platforms
- Rigorous testing with leading ISV and OEM partners