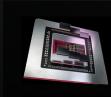


AMD RADEON™ RX 7000 SERIES GRAPHICS VERSUS AMD RADEON™ RX 9000 SERIES GRAPHICS



AMD RDNA™ 3 VERSUS AMD RDNA™ 4 ARCHITECTURE

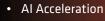
AMD RDNA™ architecture is designed to deliver scalable performance across a wide range of devices.



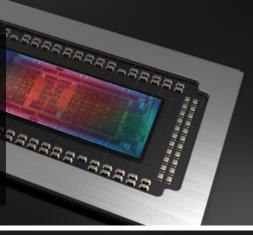
RDNA 3



RDNA 4



- 2nd Gen Raytracing Acceleration
- AMD Radiance™ Display Engine
- 2nd Gen Al Acceleration
- 3rd Gen Raytracing Acceleration
- 2nd Gen AMD Radiance™ Display Engine



RAYTRACING, AI ACCELERATION, and MEDIA ENGINE IMPROVEMENTS with future-ready technologies

2x Raytracing Throughput per Compute Unit

See endnote RX-1143

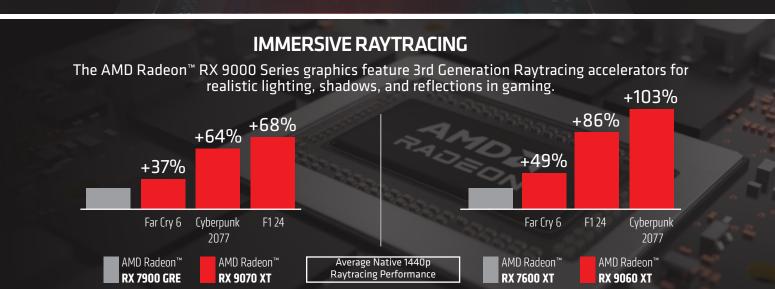
up to **8x** FASTER Al Performance with Sparsity

See endnote RX-1143

up to 20% HIGHER Media Quality (VMAF)

See endnote RX-1141

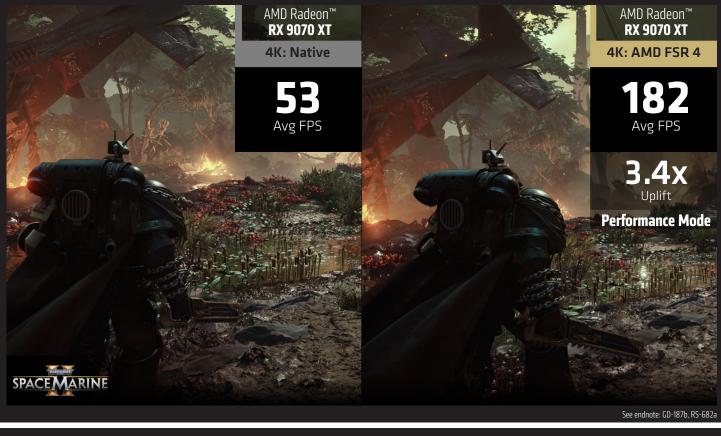
Comparing AMD RDNA™ 4 architecture specifications to AMD RDNA™ 3 architecture specifications.



See endnote RX-1158, RX-1202

SUPERCHARGED AI ACCELERATION

The AMD Radeon™ RX 9000 Series graphics, built on AMD RDNA™ 4 architecture with 2nd generation Al Accelerators, enhances experiences with ML-powered upscaling with AMD FidelityFX™ Super Resolution 4, improved performance in popular Generative AI tools, and up to 16GB of memory for local AI inference.



AI THROUGHPUT vs AMD RDNA™ 3 ARCHITECTURE

| | 1110 | with Spuisity | 11410 | with Spuisity | 1 Offitials | |
|-------------|------------|---------------|------------|---------------|-------------|--|
| | 2 x | 4 x | 4 x | 8 x | NEW | |
| See endnote | RX-1143 | | | | | |
| | | | | | | |
| | | | | | | |

The AMD Radeon™ RX 9000 Series graphics cards include a new media engine that enhances recording and streaming quality, offering nearly 20% improvement over the previous generation.

ENHANCED MEDIA ENGINE



GD-187b: AMD FidelityFX Super Resolution (FSR) versions 1, 2, 3, and 4 are available on select games which require game developer integration and are supported on select AMD products. AMD does not provide technical or warranty support for AMD FidelityFX Super Resolution enablement on other vendors' graphics cards. See https://www.amd.com/en/technologies/FidelityFX-super-resolution for additional information. GD-187b.

RX-1141: Testing done by AMD performance labs in December 2024, on a test system configured with Ryzen 9 7950X3D CPU, 64 GB DDR5-4800 Memory, and Windows 11 Pro with RDNA 4 (Radeon RX 9070 XT) vs. a similarly configured system with AMD RDNA 3 architecture-based graphics (Radeon RX 7900 XTX), comparing the media engine H.264 VMAF quality scores in the following applications: Borderlands 3, Far Cry 6, and Watch Dogs: Legion at 1080p and 4K. System manufacturers may vary configurations, yielding different results. RX-1141. RX-1143: Based on specifications of AMD RDNA 4 architecture compared to AMD RDNA 3 architecture as of December 2024. RX-1143.

RX-1158: Testing done by AMD performance labs February 2025, on a test system configured with Ryzen 7 9800X3D CPU, 32 GB DDR5-6000 Memory, Windows 11 Pro and Radeon RX 9070 XT (Driver 25.3.1 RC 31) vs. a similarly configured system with an RX 7900 GRE (Driver 25.3.1 RC31) comparing gaming performance at 1440p in the following applications: Cyberpunk 2077 (DX12, RT Ultra), F1 24 (DX12, Ultra High RT), Far Cry 6 (DX12, Ultra RT). System manufacturers may vary configurations, yielding different results. RX-1158.

RX-1202: Testing done by AMD performance labs May 2025, on a test system configured with Ryzen 7 9800X3D CPU, 32 GB DDR5-6000 Memory, Windows 11 Pro and Radeon RX 9060 X and RX 7600 XT (Driver 25.5.1) comparing gaming performance at 1440p in the following applications: Cyberpunk 2077 (DX12, RT Ultra), F1 24 (DX12, Ultra High, RT High), Far Cry 6 (DX12, Ultra RT). Testing conducted on with latest game builds as of May 8th, 2025. System manufacturers may vary configurations, yielding different results. RX-1202. RS-682a: Testing by AMD as of February 2025 on the AMD Radeon™ RX 9070 XT using an internal build of AMD Software: Adrenalin Edition™ driver, AMD Smart Access Memory technology, and

AMD FidelityFX[™] Super Resolution 4 (FSR 4) technology with "Performance" mode and frame generation enabled versus AMD FSR 4 OFF, on a test system configured with an AMD Ryzen™ 7 9800X3D CPU, 32 GB DDR5-6000 RAM, MSI MEG x670E ACE motherboard, and Windows 11 Pro 2023 Update, using the Space Marine 2 application at 3840 x 2160 "Ultra" graphics preset. Performance is dependent on the AMD FSR 4 quality mode selected. AMD FSR 4 available on AMD Radeon RX 9000 Series graphics and is available in select games with AMD FSR 3.1 integration. System manufacturers may vary configurations, yielding different results. RS-682a.