# AMD RADEON™ RX 9070 SERIES GRAPHICS

HOW TO SELL | MARCH 2025

**AMD RADEON**
RX 9000 Series

## ALL THAT'S NEEDED FOR ULTRA-FAST GAMING

AMD Radeon™ RX 9070 Series graphics cards are built to deliver all that's needed for ultra-fast gaming, with next-level visuals and future-ready features, supercharged with AI. Built on the AMD RDNA™ 4 architecture, experience powerful raytracing and AI accelerators, 16GB of memory, increased visual quality for video streaming and editing, all backed by continuous optimizations with AMD Software.

## AMD RADEON™ RX 9070 SERIES GRAPHICS CARDS ARE FOR *GAMERS WHO WANT:*

**ULTRA-FAST GAMING**

**NEXT-LEVEL IMMERSION**

**FUTURE-READY FEATURES**

## SELL IT IN 60 SECONDS

**AMD RDNA™ 4 ARCHITECTURE**
- Up to 64 unified compute units
- 3rd generation raytracing accelerators
- 2nd generation AI accelerators

**AMD HYPR-RX[1] TECHNOLOGY**
- AMD Radeon™ Super Resolution[2] technology
- AMD Fluid Motion Frames 2.1 (AFMF)[3,4]
- AMD Radeon™ Anti-Lag 2[5]
- AMD Radeon™ Boost[6]

**ENHANCED MEDIA ENGINE**
- Supporting H.264, HEVC, AV1[7]
- Up to 8K | 80 FPS max encode/decode
- No limit on number of sessions/encode streams

**AMD FIDELITYFX™ SUPER RESOLUTION 4 TECHNOLOGY[8]**
- ML-powered upscaling
- Developed for AMD RDNA™ 4 architecture
- High-quality and low latency

**FUTURE-READY TECHNOLOGIES**
- Latest DisplayPort™ 2.1a and HDMI® 2.1b connections
- Seamless integration with existing ultra-enthusiast power supplies

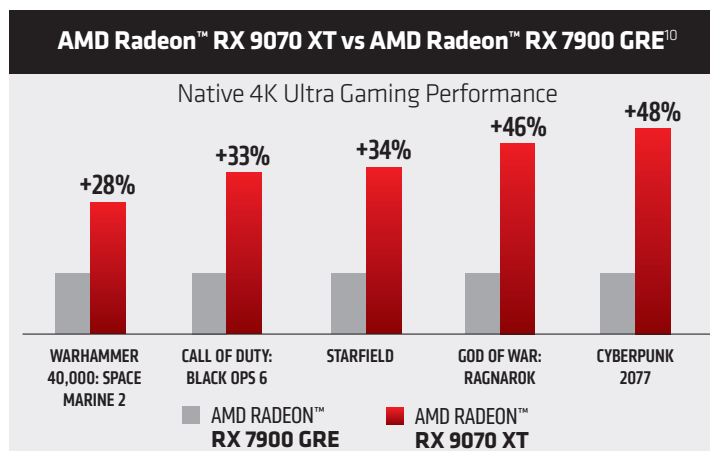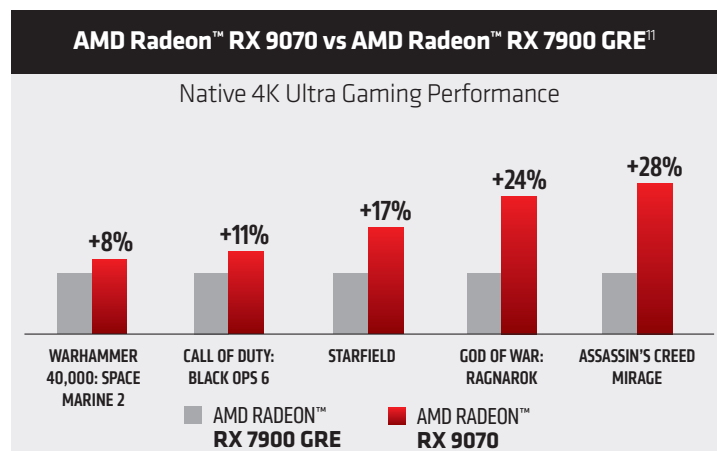**AMD SOFTWARE - SUPERCHARGED WITH AI**
- AI-optimized internal test processses
- Opt-in AI corruption reporting
- Enable AMD software features, such as AMD Chat

## AMD RADEON™ RX 9070 SERIES SPECIFICATIONS

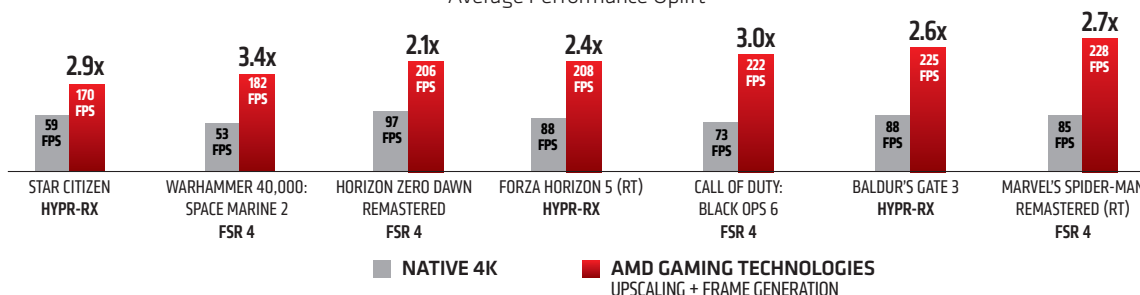| | AMD RDNA™ 4 COMPUTE UNITS | VIDEO MEMORY | BOOST CLOCK[3] (UP TO) | PEAK AI TOPS (INT4 WITH SPARSITY) | CONNECTIVITY | DISPLAY | TOTAL BOARD POWER* |
|---|---|---|---|---|---|---|---|
| AMD RADEON™ RX 9070 XT | 64 | 16GB | 2.97 GHz | 1557 TOPS | PCIe® 5x16 | DisplayPort™ 2.1a HDMI® 2.1b | 304W |
| AMD RADEON™ RX 9070 | 56 | 16GB | 2.52 GHz | 1165 TOPS | PCIe® 5x16 | DisplayPort™ 2.1a HDMI® 2.1b | 220W |

*Total board power (as listed) is AMD reference specifications. Partner board specification(s) may differ.
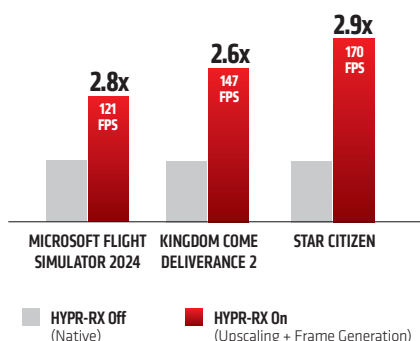
## GENERATIONAL UPLIFT

### AMD Radeon™ RX 9070 vs AMD Radeon™ RX 7900 GRE[11]

Native 4K Ultra Gaming Performance



- WARHAMMER 40,000: SPACE MARINE 2: +8%
- CALL OF DUTY: BLACK OPS 6: +11%
- STARFIELD: +17%
- GOD OF WAR: RAGNAROK: +24%
- ASSASSIN'S CREED MIRAGE: +28%

AMD RADEON™ RX 7900 GRE / AMD RADEON™ RX 9070

### AMD Radeon™ RX 9070 XT vs AMD Radeon™ RX 7900 GRE[10]

Native 4K Ultra Gaming Performance



- WARHAMMER 40,000: SPACE MARINE 2: +28%
- CALL OF DUTY: BLACK OPS 6: +33%
- STARFIELD: +34%
- GOD OF WAR: RAGNAROK: +46%
- CYBERPUNK 2077: +48%

AMD RADEON™ RX 7900 GRE / AMD RADEON™ RX 9070 XT

# HIGH-REFRESH 4K GAMING[12,13]

## AMD Radeon™ RX 9070 XT Supercharged with
## FidelityFX™ Super Resolution 4[7,8] and AMD HYPR-RX technology[1]
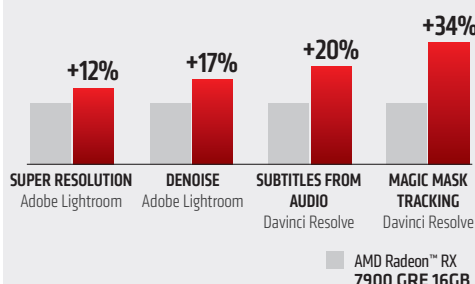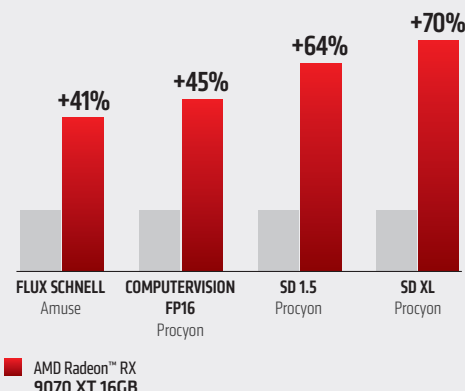### Average Performance Uplift

| Game | Native 4K | AMD Gaming Technologies | Uplift |
|---|---|---|---|
| STAR CITIZEN — HYPR-RX | 59 FPS | 170 FPS | 2.9x |
| WARHAMMER 40,000: SPACE MARINE 2 — FSR 4 | 53 FPS | 182 FPS | 3.4x |
| HORIZON ZERO DAWN REMASTERED — FSR 4 | 97 FPS | 206 FPS | 2.1x |
| FORZA HORIZON 5 (RT) — HYPR-RX | 88 FPS | 208 FPS | 2.4x |
| CALL OF DUTY: BLACK OPS 6 — FSR 4 | 73 FPS | 222 FPS | 3.0x |
| BALDUR'S GATE 3 — HYPR-RX | 88 FPS | 225 FPS | 2.6x |
| MARVEL'S SPIDER-MAN REMASTERED (RT) — FSR 4 | 85 FPS | 228 FPS | 2.7x |

NATIVE 4K     AMD GAMING TECHNOLOGIES UPSCALING + FRAME GENERATION

# SUPERCHARGED EXPERIENCES

## AMD HYPR-RX[1] TECHNOLOGY[14,15,16]
### Average FPS Uplift | 4K Highest Settings
**AMD Radeon™ RX 9070 XT + AMD Ryzen™ 7 9800X3D**

| Title | HYPR-RX Off (Native) | HYPR-RX On (Upscaling + Frame Generation) | Uplift |
|---|---|---|---|
| MICROSOFT FLIGHT SIMULATOR 2024 | | 121 FPS | 2.8x |
| KINGDOM COME DELIVERANCE 2 | | 147 FPS | 2.6x |
| STAR CITIZEN | | 170 FPS | 2.9x |

HYPR-RX Off (Native)     HYPR-RX On (Upscaling + Frame Generation)

## CREATOR AI PERFORMANCE[17]
### Average Scores

| Benchmark | Uplift |
|---|---|
| SUPER RESOLUTION — Adobe Lightroom | +12% |
| DENOISE — Adobe Lightroom | +17% |
| SUBTITLES FROM AUDIO — Davinci Resolve | +20% |
| MAGIC MASK TRACKING — Davinci Resolve | +34% |

## GENERATIVE AI PERFORMANCE[18]
### Average Scores

| Benchmark | Uplift |
|---|---|
| FLUX SCHNELL — Amuse | +41% |
| COMPUTERVISION FP16 — Procyon | +45% |
| SD 1.5 — Procyon | +64% |
| SD XL — Procyon | +70% |

AMD Radeon™ RX 7900 GRE 16GB     AMD Radeon™ RX 9070 XT 16GB

Find out more by visiting **www.amd.com/RADEON**