AMD RADEON™ 6500 XT GRAPHICS CARD VS NVIDIA GEFORCE RTX 3050 GRAPHICS CARD

AMD <u>WINS</u> ACROSS PERFORMANCE, FUTURE-READY FEATURES, AND NEXT-GEN TECHNOLOGIES

LEADERSHIP PERFORMANCE

Experience **faster 1080p gaming**[4]

(versus the NVIDIA RTX 3050)

NEXT-GEN TECHNOLOGIES

Featuring **AMD FidelityFX™ Super Resolution**[1] **3** technology, available in hudreds of games, and **AMD Fluid Motion Frames**[2] (AFMF) frame generation technology, which works in thousands of games
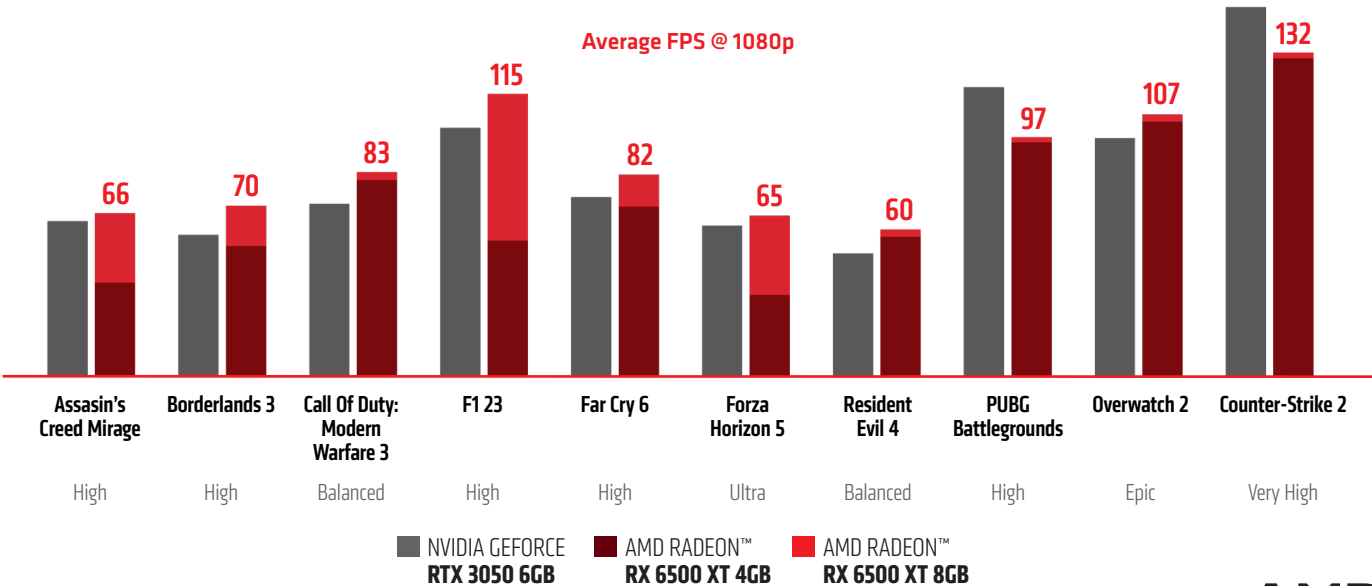
FUTURE-READY FEATURES

Featuring **more video memory (VRAM)** for better performance

(versus the NVIDIA RTX 3050)

Model	Memory	Raytracing	TDP	Upscaling	Frame Interpolation
AMD Radeon™ RX 6500 XT 8GB Graphics Card	8GB 18Gbps	Entry-Level	113W	AMD FSR[1] 3	AFMF[2] and AMD FSR[1] 3 Thousands of Games
NVIDIA GeForce RTX 3050 6GB Graphics Card	6GB 14Gbps	Entry-Level	70W	DLSS 2 / AMD FSR[1] 3	AMD FSR[1] 3 Tens of Games

BETTER WITH 8GB MEMORY

8% FASTER, ON AVERAGE, VERSUS GEFORCE RTX 3050 6GB[3,4]

Average FPS @ 1080p

Bar chart — Average FPS @ 1080p (AMD Radeon™ RX 6500 XT 8GB values shown):

Game	AMD RX 6500 XT 8GB
Assassin's Creed Mirage (High)	66
Borderlands 3 (High)	70
Call Of Duty: Modern Warfare 3 (Balanced)	83
F1 23 (High)	115
Far Cry 6 (High)	82
Forza Horizon 5 (Ultra)	65
Resident Evil 4 (Balanced)	60
PUBG Battlegrounds (High)	97
Overwatch 2 (Epic)	107
Counter-Strike 2 (Very High)	132

Legend:
- NVIDIA GEFORCE RTX 3050 6GB
- AMD RADEON™ RX 6500 XT 4GB
- AMD RADEON™ RX 6500 XT 8GB

AMD

WINNING GAME PERFORMANCE WITH AMD FLUID MOTION FRAMES[2]

UP TO 1.8X PERFORMANCE WITH AMD FLUID MOTION FRAMES[2,6]

Average FPS @ 1080p

ASSASSIN'S CREED: MIRAGE
66 FPS HIGH SETTINGS — 111 FPS

RESIDENT EVIL 4
60 FPS BALANCED SETTINGS — 104 FPS

BALDUR'S GATE 3
53 FPS MEDIUM SETTINGS — 94 FPS

■ AMD Radeon™ RX 6500 XT 8GB Graphics
■ AMD Radeon™ RX 6500 XT 8GB Graphics + **AFMF**
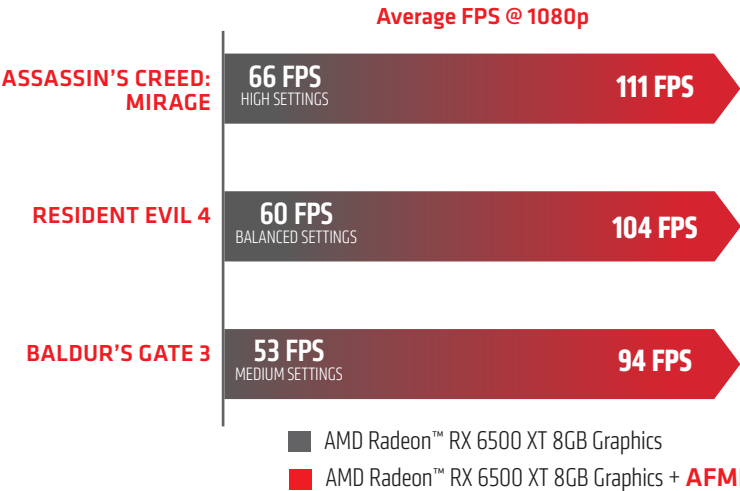
AMD
Fluid Motion Frames
WORKS IN THOUSANDS OF GAMES

FASTER GAMING ON PCIE® GEN 3 AND 4

SMARTER UPGRADE CHOICE FOR GAMERS PLAYING ON OLD AND NEW HARDWARE[5]

1080p Max Settings	Average FPS Drop Between PCIe® Gen 3.0 versus Gen 4.0 (Higher Value is Better)	
	AMD Radeon™ RX 6500 XT 8GB	NVIDIA GEFORCE RTX 3050 6GB
Assassin's Creed: Mirage	-2%	**-9%**
The Last Of Us: Part 1	-2%	**-13%**
Forza Horizon 5	-9%	**-19%**
Doom Eternal	-1%	**-10%**
Watch Dogs: Legion	-4%	**-13%**
Total War: Pharaoh	-2%	**-6%**
Far Cry 6	-1%	**-2%**

FOOTNOTES:

1. GD-187A: AMD FidelityFX Super Resolution (FSR) versions 1, 2, and 3 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-187A

2. GD-234A: AMD Fluid Motion Frames, or AFMF, is a frame generation technology designed to increase frame rates and smooth movement for game winning performance with minimal impact to image quality. AFMF is integrated into AMD Software. AFMF supports AMD Radeon™ RX 6000 and 7000 Series discrete desktop graphics cards, mobile laptop systems with AMD Ryzen™ 7000 and 8000 Series Processors with AMD Radeon™ 700M Series Graphics and AMD Radeon™ RX 6000 and 7000 Series discrete mobile graphics, supported in both hybrid mode and dedicated graphics mode, and AMD Ryzen™ 7000 and 8000 Series mobile and desktop processors with AMD Radeon™ 700M Series Graphics. GD-234A

3. RX-1075: Testing done by AMD performance labs Jan 29, 2024, on a test system configured with a Ryzen 5 7600X CPU, 32 GB DDR5-6000 Memory, Windows 11 Pro on Radeon RX 6500 XT 4GB (Driver 23.40-240111a1) with AMD Smart Access Memory technology turned ON vs. a similarly configured system with a GeForce GTX 1650 (Driver 546.65) and ReBar turned ON, to measure FPS in the following games and settings at 1080p: Assassin's Creed Mirage (High), Borderlands 3 (High), Call of Duty: Modern Warfare III (Balanced), F1 23 (High), Far Cry 6 (High), Forza Horizon 5 (Ultra), Resident Evil 4 (Balanced), PUBG Battlegrounds (High), Overwatch 2 (Epic), and Counter-Strike 2 (Very High). System manufacturers may vary configurations, yielding different results. RX-1075

4. RX-1076: Testing done by AMD performance labs Feb 12, 2024, on a test system configured with a Ryzen 5 7600X CPU, 32 GB DDR5-6000 Memory, Windows 11 Pro on Radeon RX 6500 XT 8GB (Driver 23.40-240111a1)) with AMD Smart Access Memory technology turned ON vs. a similarly configured system with a GeForce RTX 3050 6GB (Driver 551.32) and ReBar turned ON, to measure FPS in the following games and settings at 1080p: Assassin's Creed Mirage (High), Borderlands 3 (High), Call of Duty: Modern Warfare III (Balanced), F1 23 (High), Far Cry 6 (High), Forza Horizon 5 (Ultra), Resident Evil 4 (Balanced), PUBG Battlegrounds (High), Overwatch 2 (Epic), and Counter-Strike 2 (Very High). System manufacturers may vary configurations, yielding different results. RX-1076

5. RX-1077: Testing done by AMD performance labs Feb 16, 2024, on a test system configured with a Ryzen 5 7600X CPU, 32 GB DDR5-6000 Memory, Windows 11 Pro on Radeon RX 6500 XT 8GB (Driver 23.40-240111a1) graphics card with AMD Smart Access Memory technology turned ON, to measure FPS in the following games and settings at 1080p with AFMF turned on and off: Assassin's Creed Mirage (High), Resident Evil 4 (Balanced), and Baldur's Gate 3 (Medium). System manufacturers may vary configurations, yielding different results. RX-1077

6. RX-1078: Testing done by AMD performance labs Feb 21, 2024, on a test system configured with a Ryzen 5 7600X CPU, 32 GB DDR5-6000 Memory, Windows 11 Pro on Radeon RX 6500 XT 8GB (Driver 23.40-240111a1) with AMD Smart Access Memory technology turned ON vs. a similarly configured system with a GeForce RTX 3050 6GB (Driver 551.52) and ReBar turned ON, to measure FPS on both PCIe Gen. 4.0 and 3.0 in the following games at 1080p max settings: Assassin's Creed: Mirage, The Last of Us Part 1, Forza Horizon 5, Doom Eternal, Watch Dogs: Legion, Total War: Pharaoh, Far Cry 6. System manufacturers may vary configurations, yielding different results. RX-1078

AMD