March 3, 2021

AMD Unveils AMD Radeon RX 6700 XT Graphics Card, Delivering Exceptional 1440p PC Gaming Experiences

– Harnessing breakthrough AMD RDNA™ 2 gaming architecture, high-performance AMD Infinity Cache and 12GB of high-speed GDDR6 memory, new AMD Radeon™ RX 6700 XT graphics cards provide up to 2X higher performance in select titles than current installed base of older-generation graphics cards[1] –

– Powerful blend of raytracing with AMD FidelityFX[2] compute and rasterized effects elevates visuals to new levels of fidelity, delivering amazing lifelike, cinematic gaming experiences –

SANTA CLARA, Calif., March 03, 2021 (GLOBE NEWSWIRE) -- AMD (NASDAQ: AMD) today introduced the AMD Radeon RX 6700 XT graphics card, providing exceptional performance, stunningly vivid visuals and advanced software features to redefine 1440p resolution gaming.

Representing the cutting edge of engineering and design, AMD Radeon RX 6700 XT graphics cards harness breakthrough AMD RDNA 2 gaming architecture, 96MB of high-performance AMD Infinity Cache, 12GB of high-speed GDDR6 memory, AMD Smart Access Memory[3] and other advanced technologies to meet the ever-increasing demands of modern games. Delivering up to 2X higher gaming performance in select titles[1] with amazing new features compared to the current installed base of older-generation graphics cards and providing more than 165 FPS in select esports titles[4], the AMD Radeon RX 6700 XT graphics card pushes the limits of gaming by enabling incredible, high-refresh 1440p performance and breathtaking visual fidelity.

“Modern games are more demanding than ever, requiring increasing levels of computing horsepower to deliver the breathtaking, immersive experiences gamers expect,” said Scott Herkelman, corporate vice president and general manager, Graphics Business Unit at AMD. “The AMD Radeon RX 6700 XT graphics card hits the sweet spot for 1440p gaming. For most gamers still playing on three-to-four-year-old graphics cards, it is the perfect upgrade solution designed to deliver incredible visuals and no-compromises, high-refresh 1440p gaming performance at maximum settings.”

Taking advantage of this incredible performance, more than 40 system builders and OEMs are expected to launch high-performance desktop PCs powered by the new graphics card. HP is expected to refresh two desktop gaming systems this Spring – the HP OMEN 25L and 30L – featuring AMD Radeon RX 6700 XT graphics cards and AMD Ryzen™ 5000 Series Desktop Processors.

“Gamers are routinely on the lookout for the latest cutting-edge technologies to excel and immerse themselves in their favorite games,” said Judy Johnson, gaming platform head, HP

Inc. “We’re thrilled to add the new AMD Radeon RX 6700 XT graphics cards in our OMEN 25 and 30L Desktops to help power epic adventures across the globe.”

Exceptional 1440p Performance, Stunning Visuals and Unmatched Gaming Experiences

The AMD Radeon RX 6700 XT graphics card is built on 7nm process technology and AMD RDNA 2 gaming architecture, designed to deliver the optimal combination of performance and power efficiency. Additional features and capabilities include:

- **AMD Infinity Cache –** 96MB of last-level data cache on the GPU die provides up to 2.5X higher bandwidth at the same power level as traditional architectures[5] to provide higher gaming performance.
- **AMD Smart Access Memory –** Unlocks higher performance when pairing AMD Radeon RX 6000 Series graphics cards with AMD Ryzen 5000 or select Ryzen 3000 Series Desktop Processors and AMD 500-series motherboards. Providing AMD Ryzen processors with access to high-speed GDDR6 graphics memory can deliver a performance uplift of up to 16 percent[6].
- **12GB High-Speed GDDR6 VRAM** – Designed to handle the increasing texture loads and greater visual demands of today’s modern games at higher resolutions and max settings, the new graphics card with 12GB of GDDR6 of memory allows gamers to easily power through today and tomorrow’s demanding AAA titles.
- **AMD FidelityFX –** Integrated into more than 40 games and counting, AMD FidelityFX is an open-source toolkit of visual enhancement effects for game developers available at AMD GPUOpen. Optimized for AMD Radeon graphics, it includes a robust collection of rasterized lighting, shadow and reflection effects that can be integrated into the latest games with minimal performance overhead.
- **DirectX® Raytracing (DXR) –** AMD RDNA 2 architecture-based graphics cards are optimized to deliver real-time lighting, shadow and reflection realism with DXR, providing a stunning gaming experience. When paired with AMD FidelityFX, developers can combine rasterized and ray-traced effects to provide an ideal balance of image quality and gaming performance.
- **AMD Radeon Anti-Lag[7]** – Now with support for the DirectX 12 API, AMD Radeon Anti-Lag decreases input-to-display response times, making games more responsive and offering a competitive edge in gameplay.
- **AMD Radeon Boost[8]** – Now with support for Variable Rate Shading, AMD Radeon Boost delivers up to a 27 percent performance increase[9] during fast-motion gaming scenarios by dynamically reducing image resolution or by varying shading rates for different regions of a frame, increasing framerates and fluidity, and bolstering responsiveness with virtually no perceptual impact on image quality.

“We’re excited to partner with AMD to bring the latest, much-anticipated entry in the Resident Evil franchise to PC gamers,” said Peter Fabiano, producer at Capcom®. “With the powerful Radeon RX 6000 Series graphics coupled with next-generation features and technologies, including AMD FidelityFX, raytracing and Variable Rate Shading, gamers can experience the ultimate fight for survival with visually stunning, insanely detailed characters and environments and high-performance gameplay.”

Driving High-Octane Performance with Mercedes-AMG Petronas Esports Team

AMD also announced a new collaboration with the Mercedes-AMG Petronas Esports Team, the esports arm of the Mercedes-AMG Petronas Formula 1 Team. Mercedes has selected the powerful combination of AMD Radeon RX 6000 Series graphics cards, AMD Ryzen 5000 Series Desktop Processors and advanced AMD Radeon Software technologies to power their Esports gaming rigs, delivering the highest framerates, low-latency gameplay and the smoothest driving experience, unlocking the drivers' full potential. AMD delivers an unmatched competitive edge in virtual racing.

Specifications, Pricing and Availability

Model	Compute Units	GDDR6	Game Clock[10] (MHz)	Boost Clock[11] (MHZ)	Memory Interface	Infinity Cache	TBP	Price (USD SEP)
AMD Radeon RX 6700 XT	40	12GB	2424	Up to 2581	192 bit	96MB	230W	$479

AMD Radeon RX 6700 XT graphics cards are expected to be available from AMD.com, from AMD board partners including ASRock, ASUS, Gigabyte, MSI, PowerColor, SAPPHIRE and XFX, and from etailers/retailers on March 18, 2021, starting at $479 USD SEP. The refreshed HP OMEN 25L and 30L desktop gaming systems are expected to be available this Spring. Additional pre-built systems from OEM and SI partners are expected to become available in the coming months.

Supporting Resources

- Learn more about the AMD Radeon RX 6700 XT graphics card here
- Become a fan of AMD on Facebook
- Follow AMD on Twitter

CAUTIONARY STATEMENT

This press release contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) such as the features, functionality, performance, availability, timing and expected benefits of AMD products including the AMD Radeon™ RX 6700 XT graphics card and the expected launch by system builders and OEMs, which are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are commonly identified by words such as "would," "may," "expects," "believes," "plans," "intends," "projects" and other terms with similar meaning. Investors are cautioned that the forward-looking statements in this press release are based on current beliefs, assumptions and expectations, speak only as of the date of this press release and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Such statements are subject to certain known and unknown risks and uncertainties, many of which are difficult to predict and generally beyond AMD's control, that could cause actual results and other future events to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Material factors that could cause actual results to differ materially from current expectations include, without limitation, the following: Intel Corporation's dominance of the microprocessor market and its aggressive business practices; global economic uncertainty; the loss of a significant customer; the impact of the COVID-19 pandemic on AMD's business, financial condition and results of operations; the competitive markets in which AMD's products are sold; quarterly and seasonal sales patterns; market conditions of the industries in which AMD products are sold; the cyclical nature of the semiconductor industry; AMD's ability to adequately protect its technology or other intellectual property; unfavorable currency exchange rate fluctuations; the ability of third party manufacturers to manufacture AMD's products on a timely basis in

sufficient quantities and using competitive technologies; expected manufacturing yields for AMD's products; the availability of essential equipment, materials or manufacturing processes; AMD's ability to introduce products on a timely basis with features and performance levels that provide value to its customers; AMD's ability to generate revenue from its semi-custom SoC products; potential security vulnerabilities; potential IT outages, data loss, data breaches and cyber-attacks; uncertainties involving the ordering and shipment of AMD's products; AMD's reliance on third-party intellectual property to design and introduce new products in a timely manner; AMD's reliance on third-party companies for the design, manufacture and supply of motherboards, software and other computer platform components; AMD's reliance on Microsoft Corporation and other software vendors' support to design and develop software to run on AMD's products; AMD's reliance on third-party distributors and add-in-board partners; the impact of modification or interruption of AMD's internal business processes and information systems; compatibility of AMD's products with some or all industry-standard software and hardware; costs related to defective products; the efficiency of AMD's supply chain; AMD's ability to rely on third party supply-chain logistics functions; AMD's ability to effectively control the sales of its products on the gray market; the impact of government actions and regulations such as export administration regulations, tariffs and trade protection measures; AMD's ability to realize its deferred tax assets; potential tax liabilities; current and future claims and litigation; the impact of environmental laws, conflict minerals-related provisions and other laws or regulations; the impact of acquisitions, joint ventures and/or investments on AMD's business, including the announced acquisition of Xilinx, and the failure to integrate acquired businesses; AMD's ability to complete the Xilinx merger; the impact of the announcement and pendency of the Xilinx merger on AMD's business; the impact of any impairment of the combined company's assets on the combined company's financial position and results of operation; the restrictions imposed by agreements governing AMD's notes and the revolving credit facility; the potential dilutive effect if the 2.125% Convertible Senior Notes due 2026 are converted; AMD's indebtedness; AMD's ability to generate sufficient cash to service its debt obligations or meet its working capital requirements; AMD's ability to repurchase its outstanding debt in the event of a change of control; AMD's ability to generate sufficient revenue and operating cash flow or obtain external financing for research and development or other strategic investments; political, legal, economic risks and natural disasters; future impairments of goodwill and technology license purchases; AMD's ability to attract and retain qualified personnel; AMD's stock price volatility; and worldwide political conditions. Investors are urged to review in detail the risks and uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's most recent reports on Forms 10-K and 10-Q.

About AMD

For 50 years AMD has driven innovation in high-performance computing, graphics and visualization technologies — the building blocks for gaming, immersive platforms and the datacenter. Hundreds of millions of consumers, leading Fortune 500 businesses and cutting-edge scientific research facilities around the world rely on AMD technology daily to improve how they live, work and play. AMD employees around the world are focused on building great products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ:AMD) website, blog, Facebook and Twitter pages.

Other product names used in this publication are for identification purposes only and may be trademarks of their respective companies.

The information contained herein is for informational purposes only, and is subject to change without notice. Timelines, roadmaps, and/or product release dates shown in this Press Release are plans only and subject to change. “Navi” is an AMD codename and is not a product name.

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[1] Testing done by AMD performance labs Feb 8 2020, on a Radeon RX 6700 XT GPU (pre-release 20.50 driver), RTX 2080 Super (461.40 driver), and GTX 1070 Ti (461.40 driver), AMD Ryzen 9 5900X CPU, 16GB DDR4-3200MHz, ASRock X570 Taichi motherboard, Win10 Pro 64. Performance may Vary. RX-627

[2] For additional information, see https://www.amd.com/en/technologies/radeon-software-fidelityfx. GD-172

[3] Smart Access Memory technology enablement requires an AMD Radeon 6000 series GPU, Ryzen 5000 or 3000 series CPU (excluding Ryzen 5 3400G and Ryzen 3 3200G) and an AMD 500 series motherboard with the latest BIOS update. BIOS requires support for AGESA 1.1.0.0 or higher. Download latest BIOS from vendor website. For additional information and system requirements, see https://www.amd.com/en/technologies/smart-access-memory. GD-178.

[4] Testing done by AMD performance labs Feb 18 2020, on a Radeon RX 6700 XT GPU (20.50-210202n-362065E-ATI driver), AMD Ryzen 9 5900X CPU, 16GB DDR4-3200MHz, ASRock X570 Taichi motherboard, Win10 Pro 64. Performance may Vary. RX-629

[5] Measurements calculated by AMD engineering. Measuring 1440p gaming average AMD Infinity Cache hit rates of 60% across select top gaming titles, multiplied by theoretical peak bandwidth from the 12 64B AMD Infinity Fabric channels connecting the Cache to the Graphics Engine at boost frequency of up to 1.94 GHz. RX-624

[6] Testing done by AMD performance labs Feb 18 2020, on a Radeon RX 6700 XT GPU (20.50-210202n-362065E-ATI driver), AMD Ryzen 9 5900X CPU, 16GB DDR4-3200MHz, ASRock X570 Taichi motherboard, Win10 Pro 64 with AMD Smart Access Memory Technology ENABLED vs. the same system with Smart Access Memory Technology DISABLED. Performance may vary. RX-640

[7] Radeon™ Anti-Lag is compatible with DirectX 9, DirectX 11 and DirectX 12 APIs, Windows 7 and 10. Hardware compatibility includes GCN and newer consumer dGPUs Ryzen 2000 and newer APUs, including hybrid and detachable graphics configurations. No mGPU support. GD-157

[8] Radeon™ Boost is compatible with Windows 7 and 10 in select titles only. Hardware compatibility includes Radeon RX 400 and newer consumer dGPUs, Ryzen 2000 Series and newer APUs, including hybrid and detachable graphics configurations. No mGPU support. Radeon™ Boost VRS compatible with AMD Radeon™ RX 6000 Series Graphics exclusively. For a list of compatible titles see https://www.amd.com/en/technologies/radeon-boost. GD-158

[9] Testing conducted by AMD Performance Labs as of Feb 11, 2021 on the Radeon™ RX 6700XT, using a test system comprising of AMD Ryzen 9 5900X CPU (3.7 GHz), 16GB DDR4-3200MHz memory, and Windows 10x64 with Radeon Software Adrenalin 2020 Edition 20.50 with Radeon Boost ON/OFF. Performance may vary. RS-356.

[10] Game clock is the expected GPU clock when running typical gaming applications, set to typical TGP (Total Graphics Power). Actual individual game clock results may vary. GD-147

[11] Boost Clock Frequency is the maximum frequency achievable on the GPU running a bursty workload. Boost clock achievability, frequency, and sustainability will vary based on several factors, including but not limited to: thermal conditions and variation in applications and workloads. GD-151

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