March 15, 2022

AMD Launches the Ultimate Gaming Processor, Brings Enthusiast Performance to an Expanded Lineup of Ryzen Desktop Processors

— AMD announces pricing and availability for AMD Ryzen 7 5800X3D processor delivering up to 15% more gaming performance with ground-breaking AMD V-Cache technology —

— AMD expands the Ryzen Desktop portfolio with 6 new "Zen 3" and "Zen 2" processors to create new options for system builds across a variety of price points —

SANTA CLARA, Calif., March 15, 2022 (GLOBE NEWSWIRE) -- Today, AMD (NASDAQ: AMD) announced the pricing and availability of the AMD Ryzen™ 7 5800X3D processor. At the cutting edge of innovation and gaming performance, the AMD Ryzen 7 5800X3D processor is the first Ryzen processor to feature AMD 3D V-Cache™ technology. With this industry-leading technology, the 5800X3D delivers 15% more gaming performance compared to processors without stacked cache technology[1], making it the world's most advanced desktop gaming processor[2]. AMD is also announcing a new stack of Ryzen 7, 5, and 3 Series processors and expanded chipset compatibility, giving PC enthusiasts even more options for creating truly customized gaming experiences.

"Whether you're an early adopter seeking the ultimate in gaming performance with the first Ryzen processor featuring AMD 3D V-Cache technology or a new gamer building your first rig, you can find a best-in-class experience with AMD," said Saeid Moshkelani, senior vice president and general manager, Client business unit, AMD. "With today's announcement AMD is offering users the power of choice by bringing leadership gaming performance to all levels of system builds."

AMD Ryzen 7 5800X3D Pricing and Availability
At CES 2022, AMD announced the Ryzen 7 5800X3D processor, an 8-core processor that is the first to feature AMD's 3D V-Cache technology, delivering the fastest 1080p gaming across select titles when compared to others in the market[3]. Today, AMD announced this new processor will be on-shelf globally beginning April 20, starting at an SEP of $449 USD.

New Mainstream AMD Ryzen Desktop Processors
AMD is launching a series of new desktop processors, leveraging the established power of the "Zen 3" and "Zen 2" core architectures. These mainstream processors are the ideal solution for new PC builds, offering up to eight cores and 16 threads and 36 MB of cache in the AMD Ryzen 7 5700X processor. All new Ryzen 5 and Ryzen 3 desktop processors announced today are bundled with an AMD Wraith Stealth cooler and are expected to be available beginning April 4.

Model	Architecture	Cores / Threads	Boost[4] / Base[5] Frequency (GHz)	Total Cache (MB)	TDP (Watts)	PCIE® Support	Cooler	Price (USD SEP)
AMD Ryzen™ 7 5700X	“Zen 3”	8 / 16	Up to 4.6 / 3.4	36	65W	Gen 4	N/A	$299
AMD Ryzen™ 5 5600	“Zen 3”	6 / 12	Up to 4.4 / 3.5	35	65W	Gen 4	Wraith Stealth	$199
AMD Ryzen™ 5 5500	“Zen 3”	6 / 12	Up to 4.2 / 3.6	19	65W	Gen 3	Wraith Stealth	$159
AMD Ryzen™ 5 4600G with AMD Radeon™ graphics	“Zen 2”	6 / 12	Up to 4.2 / 3.7	11	65W	Gen 3	Wraith Stealth	$154
AMD Ryzen™ 5 4500	“Zen 2”	6 / 12	Up to 4.1 / 3.6	11	65W	Gen 3	Wraith Stealth	$129
AMD Ryzen™ 3 4100	“Zen 2”	4 / 8	Up to 4.0 / 3.8	6	65W	Gen 3	Wraith Stealth	$99

Extended AMD 300 Series Motherboard Support
In addition to these exciting new processor releases, AMD announced it is extending support for Ryzen 5000 Series processors on AMD 300 Series chipsets, including all the new desktop processors announced today. The latest AMD Ryzen 5000 Series processors will be supported on AMD X370, B350 and A320 chipsets, offering a seamless upgrade path to “Zen 3” performance. Selective BETA BIOS updates are expected to become available in April.

Supporting Resources

- Learn more about AMD Ryzen Desktop Processors
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About AMD

For more than 50 years AMD has driven innovation in high-performance computing, graphics and visualization technologies. Billions of people, leading Fortune 500 businesses and cutting-edge scientific research institutions around the world rely on AMD technology daily to improve how they live, work and play. AMD employees are focused on building leadership high-performance and adaptive 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, LinkedIn and Twitter pages.

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 AMD Ryzen™ 7 5800X3D, AMD Ryzen 7 5700X, AMD Ryzen 5 5600, AMD Ryzen 5 5500, AMD Ryzen 5 4600G with AMD Radeon™ graphics, AMD Ryzen 5 4500, and AMD Ryzen 3 4100; and the availability of extended AMD 300 Series motherboard support, 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; loss of a significant customer; impact of the COVID-19 pandemic on AMD’s business, financial condition and results of operations; competitive markets in which AMD’s products are sold; market conditions of the industries in which AMD products are sold; cyclical nature of the semiconductor industry; quarterly and seasonal sales patterns; AMD's ability to adequately protect its technology or other intellectual property; unfavorable currency exchange rate fluctuations; ability of third party manufacturers to manufacture AMD's products on a timely basis in sufficient quantities and using competitive technologies; availability of essential equipment, materials, substrates or manufacturing processes; ability to achieve expected manufacturing yields for AMD’s products; AMD's ability to introduce products on a timely basis with expected features and performance levels; AMD's ability to generate revenue from its semi-custom SoC products; potential security vulnerabilities; potential security incidents including 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 design, manufacture and supply of motherboards, software and other computer platform components; AMD's reliance on Microsoft 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; 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; efficiency of AMD's supply chain; AMD's ability to rely on third party supply-chain logistics functions; AMD’s ability to effectively control sales of its products on the gray market; 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; impact of environmental laws, conflict minerals-related provisions and other laws or regulations; impact of acquisitions, joint ventures and/or investments on AMD's business and ability to integrate acquired businesses, including Xilinx, Inc. (Xilinx); the impact of the Xilinx merger on AMD’s business; impact of any impairment of the combined company’s assets on the combined company’s financial position and results of operation; restrictions imposed by agreements governing AMD’s notes and the revolving credit facility; AMD's indebtedness; AMD's ability to generate sufficient cash to meet its working capital requirements or generate sufficient revenue and operating cash flow to make all of its planned R&D or 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.

[1] Based on testing by AMD as of 12/14/2021. Performance evaluated with Watch Dogs Legion, Far Cry 6, Gears 5, Final Fantasy XIV, Shadow of the Tomb Raider and CS:GO. All games test at 1920x1080 resolution with the HIGH in-game quality preset (or equivalent). System configuration: Ryzen 7 5800X3D and AMD Reference Motherboard, Ryzen 9 5900X and ASUS Crosshair VIII Hero with BIOS 3801. Both systems configured with 2x8GB DDR4-3600, GeForce RTX 3080 with 472.12 driver, Samsung 980 Pro 1TB, NZXT Kraken X62, and Windows 11 28000.282. R5K-106

[2] Most advanced gaming desktop processor is defined as 7nm process technology and AMD “Zen 3” core with AMD 3D V-Cache™ technology as of March 2022. R5K-116

[3] Based on testing by AMD as of 12/14/2021. Performance evaluated with Watch Dogs Legion, Far Cry 6, Gears 5, Final Fantasy XIV, Shadow of the Tomb Raider and CS:GO. All games test at 1920x1080p resolution with the HIGH in-game quality preset (or equivalent). System configuration: Ryzen 7 5800X3D and AMD Reference Motherboard with 2x8GB DDR4-3600. Core i9-12900K and ROG Maximus Z690 Hero motherboard with BIOS 0702 and 2x16GB DDR5-5200. Both systems configured with GeForce RTX 3080 on driver 472.12, Samsung 980 Pro 1TB, NZXT Kraken X62, Windows 11 28000.282. R5K-107

[4] Max boost for AMD Ryzen Processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates. GD-150

5 Base frequency is the approximate processor clock speed of a typical workload running at the processor’s standard TDP. GD-166.

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Source: Advanced Micro Devices, Inc.