September 5, 2016

New Mainstream & eSports-Ready Gaming PCs Powered by 7th Generation AMD A-Series Desktop Processors Debut Globally

"Bristol Ridge" APUs Pair With the All-New AM4 Desktop Platform to Increase Productivity and Enhance Immersive and Gaming Experiences; HP and Lenovo Design Launches Demonstrate Readiness of AM4 Platform for Upcoming "Summit Ridge" CPUs

SUNNYVALE, CA -- (Marketwired) -- 09/05/16 -- AMD (NASDAQ: AMD) today announced that the first OEM systems to feature 7th Generation AMD A-Series desktop processors are now shipping, paired with the new AMD AM4 platform supporting DDR4 memory and next-gen I/O and standards. Designs, initially from HP and Lenovo, with other global OEMs designs to follow, deliver high-speed processing, smooth eSports gaming, and enhanced HD and UHD streaming capabilities, including the highest memory bandwidth to date for an AMD desktop platform.

"The consumer release of these new HP and Lenovo designs is an important milestone for AMD on two fronts. First, it marks a major increase in productivity performance, streaming video and eSports gaming experiences sought after by today's consumers, delivered through our new 7th Generation AMD A-Series desktop processors. Second, because these new OEM designs also feature our new AM4 desktop platform, the motherboard ecosystem shows its readiness for our upcoming high-performance "Summit Ridge" desktop CPUs featuring "Zen" cores, which share the same platform," said Kevin Lensing, Corporate VP and general manager of Client Computing at AMD.

Systems powered by 7th Generation AMD A-Series processors are productive, immersive, and energy efficient, with up to four "Excavator" CPU cores. 7th Generation AMD A-Series desktop processors consist of 65-watt and 35-watt versions, offering superior power efficiency and enabling flexible solutions in a wide variety of form factors. The new 7*th* Generation 65-watt A-Series processors deliver performance only realized at 95-watts with the previous generation[1]. In addition, when compared to the Intel Core i5 6500, the new 65-watt processors offer up to equivalent productivity performance[2] and up to 99% higher graphics performance[3].

7th Generation AMD A-Series desktop processors (previously codenamed "Bristol Ridge") also bring enhanced graphics capabilities and key video playback features that support up to 4K Ultra HD in both the popular H.264 and new-and-improved H.265 formats.[4] These devices will also feature AMD Radeon Graphics Core Next graphics, with full support for Microsoft® DirectX® 12.

The AMD AM4 socket is a new unified socket infrastructure that provides compatibility between 7th Generation AMD A-Series processors and the upcoming high-performance "Summit Ridge" AMD desktop CPU. AM4 platforms feature DDR4 Memory and next-gen I/O and peripheral support, including PCIe® Gen 3, USB 3.1 Gen 2, NVMe, and SATA Express.

Supporting Resources

- Learn more about the 7th Generation AMD A-Series Desktop APUs
- Learn more about the exciting new AMD "Zen" core architecture
- Learn more about how AMD computing and graphics power the products you love
- Become a fan of AMD on Facebook
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About AMD

For more than 45 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.

Footnotes:

1 65W delivering 95W performance - Testing by AMD Performance labs. PC manufacturers may vary configurations yielding different results. 3DMark 11 Performance is used to simulate graphics performance, and Cinebench R11.5 1T Performance is used to simulate single threaded CPU performance; the 7th Generation AMD A12-9800 at 65W scored 3521.25 and 1.21 while the A10-8850 at 95W scored 2880 and 1.06 respectively. ***BRD-24***

System Configurations: 7th Generation AMD A12-9800: AMD "Myrtle" reference platform, 7th Generation AMD A12-9800 with AMD Radeon™ R7 Graphics, 2x4096 DDR4-2400 RAM, 228GB SSD Drive (Non-rotating), Microsoft Windows 10 Pro, Graphics driver 16.101.0.0 2016-04-11
PRO A10-8850: ASUS A88X-PRO, PRO A10-8850B with AMD Radeon™ R7 Graphics, 2x4096 DDR3-2133 RAM, 228GB SSD Drive (Non-rotating), Microsoft Windows 10 Pro, Graphics driver 15.301.1201.0 2015-12-22

2 PCMark 8 Home Accelerated:

7th Generation AMD A12-9800 vs. Intel i5-6500: Testing by AMD Performance labs. PC manufacturers may vary configurations yielding different results. PCMark® 8 v2 Home is used to simulate system performance; the 7th Generation AMD A12-9800 scored 3483.25, while the Intel Core i5-6500 scored 3702 for a benchmark score comparison of 3483.25/3466.5 = 1.00X or 100%. ***BRD-6***

System Configurations: 7th Generation AMD A12-9800: AMD "Myrtle" reference platform, 7th Generation AMD A12-9800 with AMD Radeon™ R7 Graphics, 2x4096 DDR4-2400 RAM, 228GB SSD Drive (Non-rotating), Microsoft Windows 10 Pro, Graphics driver 16.101.0.0 2016-04-11
Intel® Core™ i5-6500 CPU @ 3.20GHz: ASUS Z170-A, Intel® Core™ i5-6500 CPU @ 3.20GHz with Intel® HD Graphics 530, 2x4096 DDR4-2133 RAM, 228GB SSD Drive (Non-rotating), Microsoft Windows 10 Pro, Graphics driver 20.19.15.4380 2

3 3DMark 11 Performance:

7th Generation AMD A12-9800 vs. Intel i5-6500: Testing by AMD Performance labs. PC manufacturers may vary configurations yielding different results. 3DMark 11 Performance is used to simulate graphics performance; the 7th Generation AMD A12-9800 scored 3521.25 while the Intel® Core i5-6500 scored 1765.75, for a benchmark score difference of 3521.25/1765.75 = 1.99X or 99% more. ***BRD-5***

System Configurations: 7th Generation AMD A12-9800: AMD "Myrtle" reference platform, 7th Generation AMD A12-9800 with AMD Radeon™ R7 Graphics, 2x4096 DDR4-2400 RAM, 228GB SSD Drive (Non-rotating), Microsoft Windows 10 Pro, Graphics driver 16.101.0.0 2016-04-11
Intel® Core™ i5-6500 CPU @ 3.20GHz: ASUS Z170-A, Intel® Core™ i5-6500 CPU @ 3.20GHz with Intel® HD Graphics 530, 2x4096 DDR4-2133 RAM, 228GB SSD Drive (Non-rotating), Microsoft Windows 10 Pro, Graphics driver 20.19.15.4380 2016-02-01

4 HEVC acceleration is subject to inclusion/installation of compatible HEVC players.

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