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AMD Launches First “Zen”-based Chromebook mobile processors for faster web browsing, improved office productivity and better multitasking

– Acer, ASUS, HP and Lenovo are set to introduce broad range of entry-level to premium systems, bringing the award-winning “Zen” architecture to the Chromebook market –

SANTA CLARA, Calif., Sept. 22, 2020 (GLOBE NEWSWIRE) -- Today, AMD (NASDAQ: AMD) announced the first AMD Ryzen™ mobile processors and latest AMD Athlon™ mobile processors for Chromebook platforms, with up to 178% faster web browsing compared to the previous generation[1]. Designed in collaboration with Google, the AMD Ryzen and Athlon 3000 C-Series Mobile Processor lineup introduces the first-ever “Zen” architecture-powered Chromebooks with systems from Acer, ASUS, HP, and Lenovo launching in Q4 2020. The AMD Ryzen 3000 C Series Mobile Processors offer up to 212% better performance for multitasking and content creation compared to the previous generation of AMD Chromebooks[2]. With built-in AMD Radeon™ Graphics, AMD Ryzen 3000 C-Series Mobile processors include the most powerful graphics available in a Chromebook[3].

“Whether users are online, offline, on-the-go or at home, AMD Ryzen processor-based and Athlon processor-based Chromebooks deliver the combined CPU, graphics and overall performance needed to stay productive and breeze through the high demands of distance learning and remote working,” said Saeid Moshkelani, senior vice president and general manager, Client Compute, AMD. “We are pleased to be working with Acer, ASUS, Google, HP and Lenovo to significantly expand the number of AMD-powered Chromebooks and deliver more powerful options with the first of many AMD Ryzen-based Chromebook systems.”

AMD Ryzen and Athlon 3000 C-Series Mobile Processors
Built on the powerful “Zen” architecture with best-in-class AMD Radeon graphics, AMD-powered Chromebooks are fast and responsive while browsing the web, multitasking, or streaming video. The power-efficient 3000 C-Series Mobile Processors enable thinner and lighter Chromebook designs that deliver long battery life as well as Wi-Fi 6 and Bluetooth 5 capabilities for enhanced connectivity[4].

The AMD Ryzen 7 3700C Mobile Processor offers premium performance for Chromebooks, bringing:

- Up to 251% better graphics performance compared to previous generation AMD Chromebooks[5]

- Up to 104% faster office productivity performance compared to previous generation AMD Chromebooks[6]
- Up to 152% better photo editing performance than previous generation AMD Chromebooks[7]

MODEL	CORES / THREADS	TDP (Watts)	BOOST[8]/BASE[9] FREQ. (GHz)	GPU CORES	CACHE (MB)
AMD Ryzen™ 7 3700C	4C/8T	15W	Up to 4.0 / 2.3 GHz	10	6 MB
AMD Ryzen™ 5 3500C	4C/8T	15W	Up to 3.7 / 2.1 GHz	8	6 MB
AMD Ryzen™ 3 3250C	2C/4T	15W	Up to 3.5 / 2.6 GHz	3	5 MB
AMD Athlon™ Gold 3150C	2C/4T	15W	Up to 3.3 / 2.4 GHz	3	5 MB
AMD Athlon™ Silver 3050C	2C/2T	15W	Up to 3.2 / 2.3 GHz	2	5 MB

Partner Quotes
The AMD Ryzen and Athlon 3000 C-Series Mobile Processors are coming soon in systems from major OEM partners in the consumer, education and enterprise markets.

“Chromebooks continue to be a rapidly growing market where customers are looking for appealing designs and top-notch features to power their work, education and gaming with Chrome OS,” said John Solomon, Vice President of Chrome OS at Google. “Our partnership with AMD, along with the unprecedented offering of Ryzen processor-based Chromebooks, gives consumers and businesses an even broader choice of affordable Chromebook designs that deliver blazing fast connectivity, long battery life and the ability to power through multitasking workloads.”

“Acer is continuing its history of leadership and innovation in the Chromebook market by utilizing new AMD Ryzen and Athlon 3000 C-Series Mobile Processors in our upcoming product line, which will give customers what they need to excel at school, work and home,” said James Lin, general manager, Notebooks, IT Products Business, Acer Inc. “Our new AMD-based Acer Chromebooks will deliver a heightened level of power, graphics performance, responsiveness and efficiency, allowing our customers to tackle challenging projects and take advantage of the growing range of apps and extensions in the Chrome ecosystem.”

“Today’s workforce wants powerful, secure, and easy-to-use cloud-centric devices as they adapt to the new realities of working from home or in the office," said Andy Rhodes, global head of Commercial Personal Systems, HP Inc. “We are proud of our continued collaboration with AMD to offer business users advanced Chrome Enterprise security and manageability features to protect endpoints and unify manageability. Powered by the latest AMD Ryzen processor, the new HP Pro c645 Chromebook Enterprise packs impressive power, enterprise-level security and manageability features, and seamless collaboration tools to address the productivity needs of business users everywhere.”

“Designed for the evolving demands on laptops, Lenovo systems powered by AMD processors will balance knockout performance with portability, enabling users to get things done remotely and on the move,” said Jerry Paradise, vice president, commercial portfolio, PC & Smart Devices at Lenovo. “Along with partners like AMD, we are able to offer customers fast and responsive user experiences in powerful and portable laptop designs.”

Supporting Resources

- Learn more about Ryzen 3000 C-Series and Athlon 3000 C-Series in the consumer space

- Learn more about Ryzen 3000 C-Series and Athlon 3000 C-Series in the commercial space
- Become a fan of AMD on Facebook
- Follow AMD on Twitter

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.

Cautionary Statement
This document contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) such as the features, functionality, performance, availability, timing and expected benefits of AMD Ryzen™ and AMD Athlon™ mobile processors for Chromebook platforms, 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; 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; AMD's ability to introduce products on a timely basis with features and performance levels that provide value to its customers; global economic uncertainty; the loss of a significant customer; AMD's ability to generate revenue from its semi-custom SoC products; the impact of the COVID-19 pandemic on AMD’s business, financial condition and results of operations; political, legal, economic risks and natural disasters; the impact of government actions and regulations such as export administration regulations, tariffs and trade protection measures; potential security vulnerabilities; potential IT outages, data loss, data breaches and cyber-attacks; uncertainties involving the ordering and shipment of AMD’s products; quarterly and seasonal sales patterns; the restrictions imposed by agreements governing AMD’s notes and the secured credit facility; the competitive markets in which AMD’s products are sold; AMD's ability to generate sufficient revenue and operating cash flow or obtain external financing for research and development or other strategic investments; the potential dilutive effect if the 2.125% Convertible Senior Notes due 2026 are converted; market conditions of the industries in which AMD products are sold; 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; future impairments of goodwill and technology license purchases; AMD's ability to attract and retain qualified personnel; 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; the cyclical nature of the semiconductor industry; the impact of acquisitions, joint ventures and/or investments on AMD's business; the impact of modification or interruption of AMD's internal business processes and information systems; the availability of essential equipment, materials or manufacturing processes; 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 stock price volatility; worldwide political conditions; unfavorable currency exchange rate fluctuations; AMD's ability to effectively control the sales of its products on the gray market; AMD's ability to adequately protect its technology or other intellectual property; current and future claims and litigation; potential tax liabilities; and the impact of environmental laws, conflict minerals-related provisions and other laws or regulations. 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 Quarterly Report on Form 10-Q for the quarter ended June 27, 2020.

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[1] Testing by AMD Performance Labs as of 09/01/2020. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. RC-08

[2] Testing by AMD Performance Labs as of 04/22/2020 utilizing a Ryzen 7 3700C and a similarly configured system with AMD A6-9220C processor in the following benchmarks: Geek Bench 4 Multicore. PC manufacturers may vary configurations yielding different results. Performance may vary. RC-04

[3] Testing by AMD Performance Labs as of 04/22/2020 utilizing a Ryzen 7 3700C processor vs. An Acer Chromebook Spin 13 with an Intel Core i7-8550U, an Acer Chromebook Spin 713 with an Intel Core i5-10210U, and a Lenovo Chromebook with a Core i3-10110U in the following benchmark: 3DMark Sling Shot Score. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. 3DMark is a trademark of Futuremark Corporation. RC-14

[4] Wi-Fi 6 and Bluetooth 5.0 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information. GD-149.

[5] Testing by AMD Performance Labs as of 09/01/2020 on a Ryzen 7 3700C CPU vs. an AMD A6-9220C CPU using the 3DMark Sling Shot Extreme Open GL benchmark. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. 3DMark is a Trademark of Futuremark Corporation. RC-07

[6] Testing by AMD Performance Labs as of 09/01/2020 utilizing the following benchmark: PCMark Writing 2.0 Score. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. PCMark is a trademark of Futuremark Corporation. RC-11

[7] Testing by AMD Performance Labs as of 09/01/2020 utilizing the following benchmark: PCMark photo editing. Chromebook manufacturers may vary configurations yielding different results. Performance may vary. PCMark is a trademark of Futuremark Corporation. RC-10

[8] 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

[9] Base frequency is the approximate processor clock speed of a typical workload running at the processor's standard TDP. GD-166.



Source: Advanced Micro Devices