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AMD Brings New AI and Compute Capabilities to Microsoft Customers

— AMD Instinct MI300X Accelerators will power new Microsoft Azure virtual machine series optimized for AI —

— 4th Gen AMD EPYC processors are also now being used to run a new generation of general purpose, memory-intensive and compute-optimized VMs —

SANTA CLARA, Calif., Nov. 15, 2023 (GLOBE NEWSWIRE) -- Today at Microsoft Ignite, AMD (NASDAQ: AMD) and Microsoft featured how AMD products, including the upcoming AMD Instinct™ MI300X accelerator, AMD EPYC™ CPUs and AMD Ryzen™ CPUs with AI engines, are enabling new services and compute capabilities across cloud and generative AI, Confidential Computing, Cloud Computing and smarter, more intelligent PCs.

"AMD is fostering AI everywhere – from the cloud, to the enterprise and end point devices – all powered by our CPUs, GPUs, accelerators and AI engines," said Vamsi Boppana, Senior Vice President, AI, AMD. "Together with Microsoft and a rapidly growing ecosystem of software and hardware partners, AMD is accelerating innovation to bring the benefits of AI to a broad portfolio of compute engines, with expanding software capabilities."

Powering New AI Capabilities in Azure AMD Instinct MI300X
Microsoft's new Azure ND MI300x v5 Virtual Machine (VM) series optimized for AI workloads features the AMD Instinct MI300X, making Azure the first cloud to use the new accelerator. The new VMs are part of Microsoft's diverse infrastructure supporting AI innovation for enterprises everywhere giving customers more choice in efficiency and scalability.

Advancing Cloud Computing with AMD EPYC Processors
4th Gen AMD EPYC processors are also now being used to run a new generation of general purpose, memory-intensive and compute-optimized VMs. These new VMs from Microsoft continue to showcase the growth and demand of AMD EPYC processors in the cloud and will provide better price options, up to 20% better performance for general purpose and memory-intensive VMs, and up to 2x the CPU performance for compute-optimized VMs versus the previous generation of AMD EPYC-powered VMs. The new VM series will be made available in public preview in the first quarter of 2024.

At Ignite, AMD is also highlighting the Azure NGads V620 series of VMs, now in general availability. It is a new addition to the Azure N-series family of GPU-accelerated VMs for visualization. These VMs are powered by multiple AMD technologies – AMD Radeon™ PRO V620 GPUs and 3rd Gen AMD EPYC CPUs. The NGads V620 series is intended for workloads that require relatively more GPU resources per VM, to support more demanding workloads or more users per VM. The V620 delivers a great experience for multiple classes of GPU workloads, including gaming, VDI and rendering. NG series users get an optimized driver through the new AMD Software: Cloud Edition.

AI for PCs
AMD also showcased the ongoing momentum of Ryzen AI, the first dedicated AI accelerator available on an x86 processor. With over 50 systems available now with Ryzen 7000 Series processors with Ryzen AI built in, there are millions of AMD AI PCs available in market. AMD and Microsoft have already jointly enabled Windows Studio Effects on Ryzen AI PCs, and AMD continues to work with software developers, to bring expanding AI workloads and generative AI experiences to consumers.

Tune into the AMD Advancing AI event on December 6 at 10am PT to hear more about the AMD portfolio of AI products.

Supporting Resources

- Learn more about AMD EPYC Processors and AMD Instinct Accelerators
- Learn more about Ryzen AI
- Learn about Ryzen PRO and Microsoft Windows 11
- Follow AMD on Twitter
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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 for AI workloads, 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; economic uncertainty; cyclical nature of the semiconductor industry; market conditions of the industries in which AMD products are sold;

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