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New AMD Radeon PRO W6000 Series Graphics Unleash High-Efficiency, Powerful CAD Performance for Mainstream Workstation Users

– The Radeon PRO W6400 graphics card offers up to 3X higher performance than the previous generation[1] –

– New Radeon PRO W6500M and Radeon PRO W6300M GPUs are optimized to power next-gen mobile workstations –

SANTA CLARA, Calif., Jan. 19, 2022 (GLOBE NEWSWIRE) -- Today AMD (NASDAQ: AMD) announced new additions to the AMD Radeon™ PRO W6000 Series desktop and mobile workstation graphics lineup, designed to deliver exceptional performance, stability and reliability for professional users, including CAD designers, engineers and office knowledge workers.

The new AMD Radeon PRO W6400 graphics card is built on the high-performance, energy efficient AMD RDNA™ 2 graphics architecture and advanced 6nm manufacturing process technology, with 16MB of high-bandwidth, low-latency AMD Infinity Cache™ memory technology acting as a bandwidth amplifier. Offering an ideal blend of performance and efficiency at an affordable price, the new graphics card is optimized for the requirements of today's popular CAD and office productivity applications in a compact design that can be easily added to modern small-form-factor desktops.

Compared to the previous generation, the AMD Radeon PRO W6400 graphics card delivers up to three times higher performance[1] in Autodesk AutoCAD© 2022 during 3D orbit rotational tests in shaded modes. It also offers up to 87 percent higher performance[2] in McNeel Rhino using the Holomark 2 benchmark with mesh, object and model data stress tests. The new graphics card also offers performance gains in typical office applications and workloads, such as videoconferencing, email and web browsing, where reliability and stability are key.

Additions to the AMD Radeon PRO product family also include the AMD Radeon™ PRO W6500M and AMD Radeon™ PRO W6300M GPUs for next-gen professional mobile workstations. The new GPUs are also built on AMD RDNA 2 graphics architecture with 6nm process technology and harness up to 8MB of AMD Infinity Cache memory technology to deliver ultra-high viewport frame rates, dependability and exceptional performance for professional applications.

"Work patterns have changed dramatically over the last year, requiring professional users to work more efficiently and complete projects faster than ever," said Scott Herkelman, senior vice president and general manager, Graphics Business Unit at AMD. "The Radeon PRO

W6400 is a powerful graphics card that harnesses the award-winning AMD RDNA 2 architecture feature set, enabling not only mainstream CAD professionals to produce incredible and complex designs, but also meeting the demands of today's office workers who need to edit images, create presentations, collaborate and multitask more than ever. In addition, the new AMD Radeon PRO W6000 Series mobile graphics provide the ideal combination of performance and mobility to drive a range of workloads for professionals on the go."

High-Performance and Advanced Features
The new additions to the AMD Radeon PRO product family deliver an ideal combination of performance, efficiency, and affordability for mainstream professional users. Key features include:

- **AMD RDNA 2 Architecture:** The award-winning AMD RDNA 2 graphics architecture delivers up to 94 percent faster performance over previous generation GCN architecture[3].
- **AMD Infinity Cache™ Memory Technology:** Up to 16MB of last-level data cache (L3) integrated on the GPU die is designed to reduce latency and power consumption, enabling higher performance compared to previous architectural designs.
- **Advanced Features:** AMD Radeon PRO W6000 Series graphics offer hardware-accelerated raytracing, remote working capabilities[4], 8K display support, the latest PCIe® 3.0 and 4.0 high-speed data transfer, VR creator support[5], HDR Ready support and Quad-buffer stereo – all supported as standard features.
- **Viewport Boost[6]:** The dynamic resolution technology is designed to improve frame rates in GPU-limited scenarios. By intelligently lowering resolution only in scenarios where fast in-viewport movement is detected, it can deliver a significant improvement in interactivity without impacting user-perceived image quality.
- **Application Certifications:** AMD continues to work with leading professional software application vendors such as Autodesk, Robert McNeel & Associates, and others to help ensure AMD Radeon PRO graphics cards are built and tested to meet exceptional standards, delivering the stability and reliability required by workstation professionals. The list of certified applications can be found here.

Specifications, Pricing and Availability

Model	Stream Processors	TFLOPS	GDDR6	AMD Infinity Cache (L3)	Memory Bandwidth	Memory Interface	Display Outputs
AMD Radeon PRO W6400	768 (12 CUs)	Up to 3.54 (FP32) Up to 7.07 (FP16)	4GB @ 16Gbps	16MB	128 GB/s	64-bit	2x DisplayPort™1.4 with DSC and audio support
AMD Radeon PRO W6500M	1024 (16 CUs)	Up to 5.30 (FP32) Up to 10.61 (FP16)	4GB @ 16Gbps	16MB	128 GB/s	64-bit	Dependent upon OEM configuration
AMD Radeon PRO W6300M	768 (12 CUs)	Up to 3.37 (FP32) Up to 6.75 (FP16)	2GB @ 16Gbps	8MB	64 GB/s	32-bit	Dependent upon OEM configuration

The AMD Radeon PRO W6400 graphics card is expected to be available beginning in Q1 2022, starting at an SEP of $229 USD. AMD Radeon PRO W6500M and Radeon PRO W6300M GPUs are expected to be available in pre-built OEM systems in select countries later this year.

Supporting Resources

- Learn more about the Radeon PRO W6400 graphics card here
- Learn more about the AMD Radeon PRO W6500M GPU here and the Radeon PRO W6300M GPU here
- Become a fan of AMD on Facebook
- Follow AMD on Twitter
- Follow Radeon PRO graphics on Twitter
- Sign up to receive the latest Radeon PRO graphics newsletters here

About AMD

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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 the AMD Radeon™ PRO W6400 Series graphics card, the AMD Radeon™ PRO W6500M GPU and the AMD Radeon™ PRO W6300M GPU, 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, including the announced acquisition of Xilinx, and ability to integrate acquired businesses; AMD's ability to complete the Xilinx merger; impact of the announcement and pendency 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.

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1. Testing conducted by AMD Performance Labs as of December 17, 2021 on a test system comprising Intel XeonW-2125 (Skylake-W) at 4Ghz, Windows® 10 Pro, and AMD Radeon™ PRO W6400 GPU pre-production sample / AMD Radeon™ PRO WX 3200 GPU with AMD Driver 21.40 RC. Benchmark Application: Autodesk AutoCAD® 2022 with file 1414.dwg, 'Drainage Trencher' model courtesy of Mastenbroek.com . Shaded Mode, Rotational Test Average (FPS @ 3840x2160px) PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. RPW-406

2. Testing conducted by AMD Performance Labs as of December 10, 2021 on a test system comprising Intel XeonW-2125 (Skylake-W) at 4Ghz, 32 GB system memory, Windows 10 Pro, Radeon PRO W6400 GPU pre-production sample with Radeon PRO Driver 21.40 Pre-release version / AMD Radeon™ PRO WX 3200 GPU with AMD Driver 21.Q3. Benchmark Application: Holomark 2 Benchmark/ PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers, production drivers and production silicon. RPW-393

3. Testing as of March 23, 2021 by AMD Performance Labs on a test system comprised of an AMD Ryzen™ 5950X with AMD Radeon™ PRO W5700, AMD Radeon™ PRO W6800, AMD Radeon™ PRO WX 9100. Benchmark Applications: Lumion v.11 (Museum, Valley Winery, Downtown Development, Glass House, Villa Cabrera, Farnsworth, Residential Home, Beach House), Topaz Video Enhance AI 2.0.0 (Artemis-HQ, Gaia-HQ, Theia-Detail), Dassault Systèmes SOLIDWORKS® Visualize 2021 SP3 (Camaro default angle, Yellow motorcycle, Snowmobile). Performance may vary based on factors such as tasks performed, driver version and hardware configuration. RPW-363

4. Compatible with AMD Radeon™ Pro WX 2100, 3100, 3200, 4100, 5100, 7100, 8200, 9100, and AMD Radeon™ Pro W5500, W5700, W6600, W6800 and VII GPUs. Remote Workstation functionality requires purchase and installation of Citrix Virtual Apps & Desktops™, HP ZCentral™ Remote Boost, Microsoft® Remote Desktop Services, Teradici® Cloud Access Software or VMware Horizon®. Citrix and Microsoft require Enterprise driver 18.Q4 or newer, VMware requires Enterprise driver 20.Q3 or newer, ZCentral requires Enterprise driver 21.Q2 or newer, Teradici requires Enterprise driver 21.Q3 or newer. RPS-50a

5. Learn more at https://www.amd.com/en/technologies/vr-ready-creator

6. Learn more at https://www.amd.com/viewportboost

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