Crucial Unleashes Its Most Powerful Gaming Memory Yet: DDR5 Pro OC 6400 CL32

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Featuring a refined heatspreader, our newest high-performance low-latency memory is built for serious gamers who demand speed, style and reliability

BOISE, Idaho, Oct. 21, 2025 (GLOBE NEWSWIRE) -- Crucial®, a brand of Micron Technology, Inc., is deepening its commitment to gamers with the debut of Crucial DDR5 Pro Overclocking (OC) 6400 CL32 Gaming DRAM. Engineered for tech enthusiasts and offered in 32GB kits or 16GB single modules[1], this new memory delivers faster speeds, lower latency and a bold new design that looks as good as it performs. This launch cements Crucial's commitment to PC gamers with new 10-nanosecond/CL32-class latency and delivers on feedback related to aesthetics, now with a new elevated heatspreader design.

A Media Snippet accompanying this announcement is available by clicking on this link.

"Today's AAA games are more immersive, fast paced and demanding than ever. They push systems to their limits with real-time action, intense multitasking and ultra-high frame rates," said Dinesh Bahal, corporate vice president and general manager of Micron's Commercial Products Group. "Gamers need memory that can keep up. Crucial DDR5 Pro OC 6400 CL32 is designed for those who want to win on both performance and style. It helps players load games faster, react instantly and stay ahead of the competition. It's fast, reliable and looks incredible inside your rig."

Performance and specs:

Delivering meaningful performance gains in memory-sensitive games like Watch Dogs: Legion and Red Dead Redemption, Crucial DDR5 Pro OC 6400 CL32 offers average frame rate improvements of up to 25%, for smoother gameplay.[2] While performance gains vary by title and hardware configuration, the most significant improvements are typically seen in games and applications that are memory-intensive.

With speeds up to 6400MT/s[3], this memory delivers up to 37.5% lower latency than JEDEC-standard DDR5[4], is optimized for next-gen multi-core CPUs and supports stable overclocking with Intel® XMP 3.0 and AMD EXPO™[5] (requires manual BIOS enablement). It's compatible with Intel® Core™ Ultra processors (Series 2) and AMD Ryzen™ 9000 Series processors, ensuring seamless integration into modern gaming and creative setups.

Key features:

- **Faster than ever**: Up to 6400MT/s speed and CL32 latency means quicker reactions and smoother gameplay: More than 14% faster than standard 5600 DRAM. [6]
- **Micron-powered performance**: Backed by Micron's trusted memory technology for long-term reliability and energy efficiency.
- **Multitask like a pro**: Perfect for gaming, livestreaming, 3D rendering and content creation,[7] making it ideal for custom builds or for anyone who uses data-intensive applications like AI and machine learning.

Engineered to win, styled to stand out

With a camo-inspired pattern, available in stealth matte black or snow fox white, Crucial's refined heatspreader combines function with standout aesthetics. A diamond-cut Crucial logo and bold "Crucial Pro" spine branding introduce a refined, tactical look. Designed for durability, the new heatspreader delivers reliable cooling performance and a clean, modern finish that complements high-performance builds.

Crucial DDR5 Pro OC 6400 CL32 Gaming DRAM will be available starting October 21, through e-tailers, retailers and channel partners. Visit Crucial.com for more information on where to purchase.

About Micron Technology, Inc.

We are an industry leader in innovative memory and storage solutions, transforming how the world uses information to enrich life *for all*. With a relentless focus on our customers, technology leadership, and manufacturing and operational excellence, Micron delivers a rich portfolio of high-performance DRAM, NAND and NOR memory and storage products through our Micron® and Crucial® brands. Every day, the innovations that our people create fuel the data economy, enabling advances in artificial intelligence and 5G applications that unleash opportunities — from the data center to the intelligent edge and across the client and mobile user experience. To learn more about Micron Technology, Inc. (Nasdaq: MU), visit micron.com.

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[1] Densities are defined by JEDEC for the life of the DDR5 generation of memory.

[2] Testing was conducted using a hardware configuration featuring an AMD X870 chipset motherboard, and a Ryzen 9 9800X3D processor. Performance comparisons based on Crucial DDR5 5600 memory modules versus Crucial DDR5 Pro Overclocking 6400MT/s CL32 with AMD Expo enabled. Actual results may vary.

[3] Crucial DDR5 Pro OC Gaming memory modules (UDIMMs) can reach rated speeds with Intel XMP 3.0 or most AMD EXPO™ turned on in the UEFI/BIOS settings. Altering clock frequency or voltage beyond rated speeds of 6,400MT/s and timing of 32-40-40-103 at 1.35V may result in damage to computer components and will void your Crucial warranty. Micron disclaims all liability for such damage.

[4] Comparing the true memory latency of Crucial Pro DRAM: OC Gaming Edition of 10ns for 6,400MT/s CL32 to the true memory latency of Crucial Pro DRAM Plug-and-Play edition of 16ns for 6,000MT/s CL48. 10ns is 37.5% lower than 16ns of true memory latency.

[5] Crucial DDR5 Pro Memory modules (UDIMMs) can only be installed in desktops/workstations built to support DDR5 DRAM, such as 13th and 14th Gen Intel® Core™ and AMD Ryzen™ 9000 Series desktop processors.

[6] Limited lifetime warranty valid everywhere except Austria, Belgium, France and Germany, where warranty is valid for ten years from the date of purchase. DRAM components and modules are rated for 6,400MT/s 32-40-40-103 at 1.35V. Altering the module's clock frequency, speed, timings or voltage beyond its specifications may damage system components and will void its warranty. Micron disclaims all liability for damage caused by overclocked beyond 6,400MT/s 32-40-40-103 at 1.35V. Please check your CPU and motherboard manuals for their warranty information when overclocked.

[7] Under memory-intensive workloads, DDR5 can deliver up to two times the bandwidth of DDR4, per an internal simulation of dual-ranked x8 modules in client platforms.