



Crucial DDR5 Pro Memory: OC Gaming Edition

Faster gaming unlocked!

Harness the power of low-latency gaming memory

Push performance to the next level with the blazing speed and massive bandwidth of Crucial® DDR5 Pro OC Gaming Memory. With support for next-gen multi-core CPUs and the “sweet spot” speed¹ of up to 6,400MT/s, our gaming memory harnesses the power of low latency so you can beat the clock and focus on outplaying your opponent instead of worrying about performance bottlenecks. This powerful, flexible memory supports next-gen multi-core CPUs¹ and stable overclocking¹⁰ with Intel® XMP 3.0 and AMD EXPO™. Available in black or white in 16 or 32GB densities with a unique, origami-inspired aluminum heat spreader for a winning aesthetic. Unlock a new world of gaming performance with Crucial DDR5 Pro Gaming Memory.

Best for

Newer gaming computing platforms

Key features

- Speed: 6,400MT/s, 6,400MHz
6,000MT/s, 6,000MHz
- Extended timings:
6,400MT/s:
16GB: 38-40-40-84
32GB: 40-40-40-80
6,000MT/s:
16GB: 36-38-38-80
32GB: 40-40-40-80
- Performance: Intel® XMP 3.0 and AMD EXPO™ support¹
- Compatibility: Supports next-gen multi-core CPUs and stable overclocking¹⁰ with Intel® XMP 3.0 and AMD EXPO™
- Design: Origami-inspired aluminum heat spreader (available in black or white)
- Warranty: Limited lifetime⁹



Unstoppable speeds

Crucial DDR5 Pro OC Gaming Memory can boost multitasking and raise productivity in no time with up to 6,400MT/s¹. Seize the high-speed advantage with 25% lower latency⁴ for higher frame rates per second.

Cool look and feel

Our DDR5 Pro Gaming Memory features an aluminum heat spreader available in black or white with a unique, origami-based design that is both cool to the touch and aesthetically pleasing.

Engineered with quality and reliability

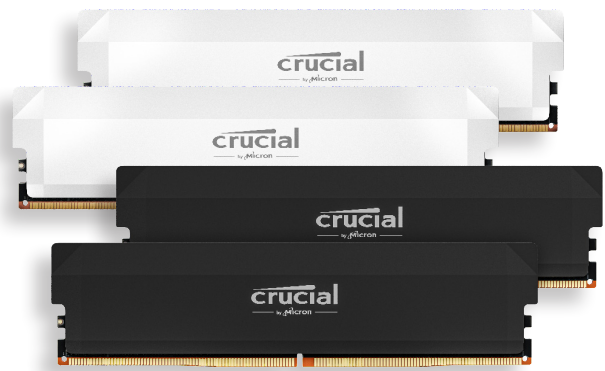
Crucial connects millions of customers to the innovative technology Micron has been perfecting for over 40 decades. Micron delivers cutting-edge engineering and superior component and module-level testing for all Crucial DRAM products to ensure the highest quality.

Flexible compatibility

Keep your options open by starting with Crucial DDR5 Pro Gaming Memory. This powerful, high-performance memory supports next-gen multi-core CPUs and the latest in Intel® XMP 3.0 and AMD EXPO™ standards¹⁰.

Crucial® DDR5 Pro Memory:
OC Gaming Edition

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|------------|--|
| Density | 16 and 32GB ⁸ |
| Speed | 6,000MT/s and 6,400MT/s |
| CL/Timings | 6,400MT/s 16GB: 38-40-40-84 32GB: 40-40-40-80 6,000MT/s 16GB: 36-38-38-80 32GB: 40-40-40-80 |
| Voltage | 1.35V |
| Pin count | 288-pin |



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1. Crucial DDR5 desktop memory modules (UDIMMs) can reach rated speeds with Intel XMP 3.0 or most AMD EXPOTM turned on in the UEFI/BIOS settings. Applicable for all Crucial DDR5 desktop memory (UDIMM) modules except Crucial DDR5-4800 desktop memory, which supports only Intel® XMP 3.0. Based on published competitor specs for DDR5 memory as of August 2023. Altering clock frequency or voltage beyond rated speeds of 6,400MT/s and timing of 40-40-40-80 at 1.35V may result in damage to computer components and will void your Crucial warranty. Micron disclaims all liability for such damage.
2. 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.
3. DDR5 data rate of 6,400MT/s transfers 2x the DDR4 data rate of 3,200MT/s.
4. Comparing the true memory latency of Crucial Pro DRAM: OC Gaming Edition of 12ns for 6,400MT/s CL40 to the true memory latency of Crucial Pro DRAM Plug-and-Play edition of 16ns for 6,000MT/s CL48. 12ns is 25% lower than 16ns of true memory latency.
5. Under memory-intensive workloads, DDR5 can deliver up to 2x the bandwidth, per an internal simulation of dual ranked x8 modules in client platforms.
6. DDR5 modules (DIMMs) introduce voltage regulation on the module through a power management integrated circuit (PMIC), which enables better power regulation and reduces the scope of DRAM power delivery network (PDN) management on the motherboard for increased efficiency.
7. On-die ECC (ODECC) is a feature of the DDR5 component specification and should not be confused with the module-level ECC features on server and workstation RDIMMs, LRDIMMs, ECC UDIMMs and ECC. Crucial DDR5 Memory includes ODECC but does not include the additional components necessary for system level ECC.
8. Densities are defined by JEDEC for the life of the DDR5 generation of memory.
9. 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 40-40-40-80 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 40-40-40-80 at 1.35V. Please check your CPU and motherboard manuals for their warranty information when overclocked.
10. Crucial DDR5 Pro OC Gaming Memory is compatible with Intel® Core 13-14th Gen and AMD Ryzen™ 9000 Series CPUs. For AMD 7000-8000, verify compatibility with your manufacturer, as performance may vary.