



UNLOCKED INTEL® CORE™ PROCESSORS

Unlocked Intel® Core™ Processors let you overclock the CPU for even more power and performance for gaming and content creation.



UNLOCKED INTEL® CORE™ PROCESSORS

Compare processor differences

Overclocking Training
(Earn ITP training credits)

INTEL® CORE™ X-SERIES PROCESSORS

Unleash Creativity

Content Creation Training
(Earn ITP training credits)

Marketing assets

8TH GEN INTEL® CORE™ I7-8700K PROCESSOR

Fluid Gaming Experience

Marketing Assets for the Most Powerful
Gaming Experiences

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Learn more at [intel.com](https://www.intel.com), or from the OEM or retailer.

Altering clock frequency or voltage may damage or reduce the useful life of the processor and other system components, and may reduce system stability and performance. Product warranties may not apply if the processor is operated beyond its specifications. Check with the manufacturers of system and components for additional details.

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UNLOCKED 8TH GEN INTEL® CORE™ PROCESSORS

Intel® UHD Graphics

Powerful, fluid, vivid gaming

Premium UHD/4K content

An option for every gamer



INTEL® CORE™ X-SERIES PROCESSORS

Intel® Turbo Boost Max Technology 3.0

Enable greater flexibility and performance

Wait less, create more

Designed for mega-tasking

Intel® Optane™ memory ready and support for Intel® Optane™ SSDs

i7-8700K/ i5-8600K/ i3-8350K

i9-7980XE/ i9-7960X/ i9-7940X/ i9-7920X/i9-7900X/ i7-7820X/ i7-7800X

Up to 6 cores, 12 threads

Up to 18 cores, 36 threads

Up to 40 PCIe lanes

Up to 68 PCIe lanes

Two memory channels unlocked

Up to four memory channels unlocked

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8TH GEN INTEL[®] CORE[™] I7-8700K PROCESSOR

Take gaming to new extremes

POWERFUL, FLUID, VIVID GAMING

- i7-8700K - Intel's BEST gaming desktop processor ever¹
- Enhanced Overclocking features with Intel[®] Z370 chipset
- Experience more FPS on AAA games

AN OPTION FOR EVERY GAMER

- A wide range of performance options for gamers
- Unlocked SKUs available at each Intel[®] Core[™] brand
- Up to 6 Cores, 12 threads
- Launch games FASTER² with Intel[®] Optane[™] memory

THE WORLD IS WATCHING

- Increased FPS while mega-tasking
- Game + Stream + Record simultaneously
- Enhanced tuneability to optimize processor and memory performance

1. As measured by a sampling of AAA game titles using the games' benchmark mode measuring frames per second (FPS) on Intel Core i7-8700K Processor
2. Compared to HDD alone

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Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit www.intel.com/benchmarks

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INTEL® CORE™ X-SERIES PROCESSOR FAMILY

Unleash creativity with uncompromising performance

CORES

Edit 4K video, render 3D effects, and compose soundtracks simultaneously

Play hard. Share. Stream. Encode. Get hi-res with no lag. mega-task seamlessly

I/O

Up to 68 Platform PCIe* lanes and support for multiple discrete graphics cards, Thunderbolt™ technology, and high-speed storage like Intel® 3D NAND SSDs & Intel® Optane™ technology

MEMORY CHANNELS

Quad channel memory delivers improved responsiveness and decreases start up time

OVERCLOCKING¹

Overclock each core individually, utilize AVX ratio controls for more stability, and VccU voltage control for extreme scenarios



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