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
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

<table>
<thead>
<tr>
<th>Intel® Optane™ memory ready and support for Intel® Optane™ SSDs</th>
<th>Intel® Turbo Boost Max Technology 3.0</th>
<th>Enable greater flexibility and performance</th>
<th>Wait less, create more</th>
<th>Designed for mega-tasking</th>
</tr>
</thead>
<tbody>
<tr>
<td>i7-8700K/ i5-8600K/ i3-8350K</td>
<td>i9-7980XE/ i9-7960X/ i9-7940X/ i9-7920X/i9-7900X/ i7-7820X/ i7-7800X</td>
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<tr>
<td>Up to 6 cores, 12 threads</td>
<td>Up to 18 cores, 36 threads</td>
<td>Up to 68 PCIe lanes</td>
<td>Up to four memory channels unlocked</td>
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</tr>
<tr>
<td>Up to 40 PCIe lanes</td>
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<tr>
<td>Two memory channels unlocked</td>
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Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Learn more at 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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Take gaming to new extremes

**POWERFUL, FLUID, VIVID GAMING**
- i7-8700K - Intel's BEST gaming desktop processor ever
- 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 FASTER\(^2\) 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

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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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No computer system can be absolutely secure.

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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

**MEMORY CHANNELS**
Quad channel memory delivers improved responsiveness and decreases start up time

**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

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

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