

A promotional banner for Intel's gaming PC performance. The background features a person wearing a headset and playing a game on a PC, with vibrant, glowing digital graphics overlaid. The graphics include a stylized 'V' shape, a plus sign, a circle, another plus sign, and a double arrow pointing right, all rendered in a glowing, neon-like style. The overall color palette is dominated by blues, purples, and greens, creating a high-tech, futuristic atmosphere.

Products Solutions Support

intel

USA (English) My Intel

Gaming PC Performance with Intel® Technology

GAME + RECORD + STREAM WITHOUT COMPROMISE

The latest Intel® Core™ processors provide the serious computing power needed to deliver smooth gameplay on today's top titles while sharing the experience with others.¹

Please wonder.

Products Solutions Support USA (English) My Intel

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INTRODUCING 9TH GEN INTEL® CORE™ DESKTOP PROCESSORS

With up to 8 cores, 16 threads, 16MB cache, and 5.0 GHz max, the new unlocked 9th Gen Intel® Core™ desktop processors deliver the power to game, record and stream at the next level.

[Get the details](#)

LAPTOP PROCESSORS

High-performance gaming, content creation, and VR goes mobile with 8th Gen Intel® Core™ processors for laptops.

[See the line-up](#)

DESKTOP PROCESSORS

Designed for demanding workloads, the new unlocked 9th Gen Intel® Core™ desktop processors deliver breakthrough performance for gaming, streaming, and recording.

[See the line-up](#)

Get the Most Out of Your Gear

- How to Overclock***
Overclock your new unlocked Intel® Core™ processor and experience even more gaming power and performance.
[Find out how](#)
- How to Build a Gaming PC**
Find out what you need to know to design, customize, and build your own rig.
[Get the guide](#)
- How to Launch and Load Faster**
The latest Intel® Core™ processors with Intel® Optane™ Memory deliver consistently high framerates and can cut game launch and load times.**
[Learn more](#)

Intel® Tech Advantages

- Intel® Optane™ Memory**
Intel® Optane™ memory is a smart memory technology that accelerates your computer's responsiveness. It learns what you use most to access those things quicker — so you'll get in the game faster.
[Learn more](#)
- Intel® Optane™ SSD**
Based on 3D XPoint™, a breakthrough in non-volatile memory technology, Intel® Optane™ SSDs utilize PCIe Gen3x4 to deliver amazing performance where it counts.
[Learn more](#)
- Thunderbolt™ 3**
Thunderbolt™ 3 is up to 8x faster than USB 3.0 and provides up to 4x more video bandwidth than HDMI 1.4† for stunning gaming and VR experiences. Plus, a single cable connects and charges your system.
[Learn more](#)

PROFESSIONAL ESPORTS RUN ON INTEL

Many of the top pro gamers, teams, and esports leagues choose Intel® to power their gaming PCs and connect millions of players.**

[Learn more](#)

THE PULSE OF GAMING

What's happening now in the Intel® gaming universe.

CONVERSATIONS

- Intel® ExtremeMasters @iEM**
The first wave of tickets for #iEM Katowice 2019 is nearly sold out! The second wave will drop on November 29.
[esl.gg/IKKatowice19...](#)
See you soon! Or as the locals in Poland would say...
[pic.twitter.com/BWQpQvWtW](#)
- Intel® ExtremeMasters @iEM**
They conquered #iEM Shanghai, now they're gaming for glory in Chicago. Will you be there to make The Windy City feel like home for @iEMGG?
Ticket: [intelxtrememasters.com/season-13/ehc...](#) [pic.twitter.com/gA8v4Pzby](#)
- Intel® ExtremeMasters @iEM**
They kicked off the year with a win at #iEM Katowice, but can @iEMATIC do it again in Chicago? Be there to find out!
Tickets: [intelxtrememasters.com/season-13/hc...](#) [pic.twitter.com/AEBwhH4wq](#)
- Intel® ExtremeMasters @iEM**
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Tickets: [intelxtrememasters.com/season-13/hc...](#) [pic.twitter.com/13/hc...](#)

Product and Performance Information

*Intel® technologies, features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or visit [www.intel.com/secure](#).

**Alerting 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 manufacturer of system and components for additional details.

***Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SPECint*_rate and MobileMark™, are measured using specific computer systems, components, software, operations and functions, and changes to any of these 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 information go to [www.intel.com/benchmark](#).

†Performance results are based on testing as of March 12, 2018, and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

**As measured by Game Launch Workload comparing 8th Gen Intel® Core™ i7-8750H processor (32GB Intel® Optane™ memory module + 236GB PCIe SSD + 1TB HDD) vs. 8th Gen Intel® Core™ i7-8750H processor (8GB DRAM, Game Level Load Workload) measured by Intel measuring the time elapsed from the main menu to completion of level loading (2000 loads) on Intel® Workstation Build 10710 Intel® Optane™ memory (32GB DRAM Acceleration Configuration Intel® Core™ i7-8750H processor PL1=45W TDP AC/DC/T1, Turbo up to 45W on Pre-production OEM System, Graphics: NVIDIA GTX 1070, Memory: 2x4GB DDR4, Storage: 256GB TRIP SSD (PCIe) + 1TB HDD + 32GB Intel® Optane™ memory, OS: Windows™ 10 RS2 Build 1708, MCU/Disk Intel® Core™ i7-8750H processor PL1=45W TDP AC/DC/T1, Turbo up to 45W on Pre-production OEM System, Graphics: NVIDIA GTX 1070, Memory: 2x4GB DDR4, Storage: 256GB TRIP SSD (PCIe) + 1TB HDD, OS: Windows™ 10 RS2 Build 1708, MCU/Disk.

††As measured by Game Launch Workload comparing 8th Gen Intel® Core™ i7-8750H processor (32GB Intel® Optane™ memory module + 236GB PCIe SSD + 1TB HDD) vs. 8th Gen Intel® Core™ i7-8750H processor (8GB DRAM, Game Level Load Workload) measured by Intel measuring the time elapsed from the main menu to completion of level loading (2000 loads) on Intel® Workstation Build 10710 Intel® Optane™ memory (32GB DRAM Acceleration Configuration Intel® Core™ i7-8750H processor PL1=45W TDP AC/DC/T1, Turbo up to 45W on Pre-production OEM System, Graphics: NVIDIA GTX 1070, Memory: 2x4GB DDR4, Storage: 256GB TRIP SSD (PCIe) + 1TB HDD + 32GB Intel® Optane™ memory, OS: Windows™ 10 RS2 Build 1708, MCU/Disk Intel® Core™ i7-8750H processor PL1=45W TDP AC/DC/T1, Turbo up to 45W on Pre-production OEM System, Graphics: NVIDIA GTX 1070, Memory: 2x4GB DDR4, Storage: 256GB TRIP SSD (PCIe) + 1TB HDD, OS: Windows™ 10 RS2 Build 1708, MCU/Disk.

**As compared to other PCIe NVMe connection technologies including eSATA, USB, and IEEE 1394 FireWire™. Performance will vary depending on the specific hardware and software used. Must use a Thunderbolt™ enabled device for more information go to [http://www.intel.com/content/www/us/en/tech/resources/document.html](#).

††Overclocking, overclocking, and the overclocking logo are trademarks or registered trademarks of Bitland Environment, Inc. in the U.S. and/or other countries.

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