

MEET  
GAMERS  
TASKS



# GAME & CREATE LIKE A PRO

8th Gen Intel® Core™ i9-8950HK processor

UP TO **29%** better overall system performance vs. 7th Gen Intel Core i7<sup>1</sup>

New levels of single-thread, multi-threaded, and mega-tasking performance for the latest AAA games and next-level content creation.

## 6 CORES. 12 THREADS. UNLOCKED.



# GAME LIKE A PRO

8th Gen Intel® Core™ i9-8950HK processors deliver smoother gameplay while simultaneously streaming & recording



# CREATE LIKE A PRO

Intel's most powerful mobile platform for creators.



UP TO **41%** higher FPS on games like Total War: WARHAMMER II vs. 7th Gen<sup>2</sup>

UP TO **32%** better mega-tasking performance vs. 7th Gen<sup>2</sup>

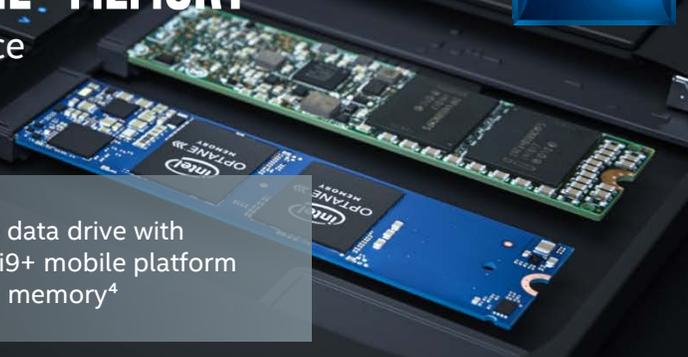
UP TO **59%** faster 4K video editing vs. 7th Gen<sup>3</sup>

## INTEL® CORE™ i9+ PROCESSORS FEATURING INTEL® OPTANE™ MEMORY

Accelerates system performance without compromising storage capacity.



UP TO **4.8X** faster level loads off the data drive with an 8th Gen Intel® Core™ i9+ mobile platform featuring Intel® Optane™ memory<sup>4</sup>



## 7TH GEN INTEL CORE i7 (K-SKU) VS. 8TH GEN INTEL CORE i9

Specifications	7th Gen Intel Core i7-7820HK	8th Gen Intel Core i9-8950HK
Cores/Threads	4 / 8	<b>6 / 12</b>
Base Frequency	2.9 GHz	2.9 GHz
Max Turbo Frequency	3.9 GHz	<b>4.8 GHz with Intel® Thermal Velocity Boost<sup>5</sup></b>
Cache	8 MB	<b>12 MB</b>

### Note:

- As measured by SYSmark\* 2014 SE on Intel® Core™ i9-8950HK vs. Intel® Core™ i7-7820HK
- As measured by game FPS workload and mega-tasking workload on Intel® Core™ i9-8950HK vs. Intel® Core™ i7-7820HK
- As measured by 4K video editing workload on Intel® Core™ i9-8950HK vs. Intel® Core™ i7-7820HK

4. As measured by game level load workload comparing 8th Gen Intel® Core™ i9-8950HK (32GB Intel® Optane™ memory module + 256GB PCIe SSD + 1TB HDD) vs. 8th Gen Intel® Core™ i9-8950K (256GB PCIe SSD + 1TB HDD)

5. Includes the effect of Intel® Thermal Velocity Boost feature which opportunistically and automatically increases clock frequency by up to 200 MHz if the processor is at a temperature of 50°C or lower and turbo power budget is available. The frequency gain and duration is dependent on the workload (best for bursty workloads), capabilities of the individual processor, and the processor cooling solution. Frequencies may reduce over time and longer workloads may start at the max frequency but drop as processor temperature increases.

The benchmark results reported above may need to be revised as additional testing is conducted. The results depend on the specific platform configurations and workloads utilized in the testing, and may not be applicable to any particular user's components, computer system or workloads. The results are not necessarily representative of other benchmarks, and other benchmark results may show greater or lesser impact from mitigations. 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 a product when combined with other products. For more complete information about performance and benchmark results, visit <http://www.intel.com/benchmarks>.