THE 10TH GEN INTEL® CORE™ i9-10900K IS THE WORLD'S FASTEST GAMING PROCESSOR[1]

With an optimal balance of frequency, cores and threads, advanced tuning support, and blazing connectivity, new 10th Gen Intel® Core™ processors help supercharge desktop PCs—enabling a whole new evolution of incredible experiences and productivity.

NEW Key Product Features:

- Up to 5.3GHz with Intel® Thermal Velocity Boost[2]
- Intel® Turb Boost Max Technology 3.0
- Intel® Hyper-Threading Technology across Intel® Core™ i9 to i3 processors
- Up to 10 cores with 20 MB Intel® Smart Cache
- Support for memory speeds up to DDR4-2933[3]

UP TO
2.2X MORE FPS
ON MOUNT & BLADE 2: BANNERLORD WITH A 10TH GEN INTEL® CORE™ i5-10400 PROCESSOR[4]

UP TO
48% FASTER
PHOTO EDITING VS. A 4 YR. OLD PC[5]

UP TO
56% BETTER
WINDOWS APPLICATION PERFORMANCE WITH A 10TH GEN INTEL® CORE™ i5-10400[6]

Performance results may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure. 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 about performance and benchmark results, visit http://www.intel.com/benchmarks

1 As measured by in-game benchmark mode performance (score or frames per second) where available, or frames per second where benchmark mode is unavailable. PC Gaming Processors Compared: 10th Gen Intel® Core™ i9-10900K, Intel® Core™ i9-9900KS, AMD Ryzen™ 9 3950X. Prices of compared products may differ. Configurations: Graphics: Nvidia GeForce RTX 2080 Ti, Memory: 4x8GB DDR4 (2666, 2933 or 3200 per highest speed of the corresponding processor), Storage: Intel® Optane™ SSD 905P, OS Windows 10 Pro 1909 v720 19H2(RS6). Results: 10th Gen Intel® Core™ i9-10900K scored better on the majority of the 25+ game titles tested.

2 Available only on 10th Gen Intel® Core™ i7 and i9 desktop processors. Intel® Thermal Velocity Boost feature is opportunistic at a temperature of 70°C or lower and when 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.

3 DDR4 maximum speed support is 1 and 2 DPC for UDIMMs but only 1 DPC for SODIMMs. DDR4 2DPC UDIMM 2933 or 2666 is capable when same UDIMM part number are populated with in each channel.

4 Performance results are based on testing as of April 17th, 2020 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

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Processor: 10th Gen Intel® Core™ i5-10400 processor (CML-S) PL1=65W TDP, 6C12T, Motherboard: Pre production Asus ROG Maximus XII Formula Memory: 32 GB DDR4-2933 DDR4 SDRAM, Storage: Intel® SSD 905P 960GB, Display Resolution: 1920x1080, OS: Microsoft Windows 10 Pro 1909 V720 19H2(RS6), Graphics card: NVIDIA RTX 2080Ti, Graphics driver: 442.59 Bios version 403

Processor: 6th Gen Intel® Core™ i5- 6400 processor (SKL) PL1=65W TDP, 4C4T, Motherboard: Asus Z170-M Plus, Memory: 32 GB DDR4-2133 DDR4 SDRAM, Storage: Intel® SSD 905P 960GB, Display Resolution: 1920x1080, OS: Microsoft Windows 10 Pro 1909 V720 19H2(RS6), Graphics card: NVIDIA RTX 2080Ti, Graphics driver: 442.59 Bios version 3805

5 Testing by Intel as of April 17th, 2020. Processor: 10th Gen Intel® Core™ i5-10400 processor (CML-S) PL1=65W TDP, 6C12T, Motherboard: Pre production Asus ROG Maximus XII Formula Memory: 32 GB DDR4-2933 DDR4 SDRAM, Storage: Intel SSD 905P 960GB, Display Resolution: 1920x1080, OS: Microsoft Windows 10 Pro 1909 V720 19H2(RS6), Graphics card: NVIDIA RTX 2080Ti, Graphics driver: 442.59 BIOS version 403

Processor: 6th Gen Intel® Core™ i5-6400 processor (SKL) PL1=65W TDP, 4C4T, Motherboard: Asus Z170-M Plus, Memory: 32 GB DDR4-2133 DDR4 SDRAM, Storage: Intel® SSD 905P 960GB, Display Resolution: 1920x1080, OS: Microsoft Windows 10 Pro 1909 V720 19H2(RS6), Graphics card: NVIDIA RTX 2080Ti, Graphics driver: 442.59 BIOS version 3805

6 Processor: 10th Gen Intel® Core™ i5-10400 processor (CML-S) PL1=65W TDP, 6C12T, Motherboard: Pre production Asus ROG Maximus XII Formula Memory: 32 GB DDR4-2933 DDR4 SDRAM, Storage: Intel® SSD 905P 960GB, Display Resolution: 1920x1080, OS: Microsoft Windows 10 Pro 1909 V720 19H2(RS6), Graphics card: NVIDIA RTX 2080Ti, Graphics driver: 442.59 BIOS version 403

Processor: 6th Gen Intel® Core™ i5-6400 processor (SKL) PL1=65W TDP, 4C4T, Motherboard: Asus Z170-M Plus, Memory: 32 GB DDR4-2133 DDR4 SDRAM, Storage: Intel® SSD 905P 960GB, Display Resolution: 1920x1080, OS: Microsoft Windows 10 Pro 1909 V720 19H2(RS6), Graphics card: NVIDIA RTX 2080Ti, Graphics driver: 442.59 BIOS Version 3805