

7TH GENERATION INTEL® CORE™ PROCESSOR-BASED LAPTOP



Multi-CPU Test 2.4X Faster

Cinebench Multi-CPU Test completes 2.4X faster on the 7th Generation Intel® Core™ processor-based laptop.³



3rd Generation
Intel® Core™
processor-based
laptop²



7th Generation Intel® Core™
processor-based laptop¹

Product and Performance Information

Intel® technologies may require enabled hardware, specific software, or services activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at www.intel.com

Performance Claims & Comparisons

Process: All systems configured with Microsoft® Windows 10 64Bit and screen activity recorded using Camtasia® 9 (version 9.0.1 build 1422), systems connected to power outlet and us standard performance profile. Recorded actions were measured from start to completion using recorded footage as a reference. The performance comparisons in this video are for illustrative purposes only and are not presented as formal benchmark results.

¹ Configuration 1 – Intel® Core™ i7-7500U processor, 15W TDP, Turbo up to 3.50GHz, Memory:2x4GB DDR4, Storage: 256GB NVMe SSD M.2 Form factor, Display Resolution: 3840 x 2160, Intel® HD Graphics 620, Operating System: Microsoft® Windows 10

² Configuration 2 – Intel® Core™ i5-3427U processor, 17W TDP, Turbo up to 2.80GHz, Memory: 2 x 2GB DDR3, Storage: Toshiba® 128GB mSATA Form factor, Display Resolution: 1920x1080, Intel® HD Graphics 4000, Operating System: Microsoft® Windows 10

³ Cinebench® Multi-CPU Test completes 2.4X Faster on the 7th Generation Intel® Core™ processor-based laptop™ – The workload consisted of running the Cinebench® R15 (build RC83328DEMO) CPU test. Test length is recorded from the press of the run test button to the finish of the test and display of results. Configuration 1 completed the process in 77 seconds. Configuration 2 completed the process in 386 Seconds

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7TH GENERATION INTEL® CORE™ PROCESSOR-BASED LAPTOP



Facial Recognition Completed 1.9X Faster

Adobe* Lightroom completes first pass facial recognition on 3500 digital images 1.9X faster for a more responsive experience³



3rd Generation Intel® Core™ processor-based laptop²



7th Generation Intel® Core™ processor-based laptop¹

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¹ Configuration 1 – Intel® Core™ i7-7500U processor, 15W TDP, Turbo up to 3.50GHz, Memory:2x4GB DDR4, Storage: 256GB NVMe SSD M.2 Form factor, Display Resolution: 3840 x 2160, Intel® HD Graphics 620, Operating System: Microsoft® Windows 10

² Configuration 2 – Intel® Core™ i5-3427U processor, 17W TDP, Turbo up to 2.80GHz, Memory: 2 x 2GB DDR3, Storage: Toshiba® 128GB mSATA Form factor, Display Resolution: 1920x1080, Intel® HD Graphics 4000, Operating System: Microsoft® Windows 10

³ "Adobe* Lightroom completes first pass facial recognition on 1562 digital images (3.81GB) 1.9X faster for more a responsive experience" – The workload consisted of using the facial recognition feature of Adobe* Lightroom, on imported digital images. Configuration 1 completed the process in 1062 seconds (17 minutes 42Seconds). Configuration 2 completed the process in 2032 seconds (33 minutes 52seconds).

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7TH GENERATION INTEL® CORE™ PROCESSOR-BASED LAPTOP



Over 20 frames per second with Open-GL

Cinebench* Open-GL Test - 7th Generation Intel® Core™ processor-based laptop supports over 20 Frames Per Second for a better gaming experience.³



7th Generation Intel® Core™ processor-based laptop¹



3rd Generation Intel® Core™ processor-based laptop²

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¹ Configuration 1 – Intel® Core™ i7-7500U processor, 15W TDP, Turbo up to 3.50GHz, Memory:2x4GB DDR4, Storage: 256GB NVMe SSD M.2 Form factor, Display Resolution: 3840 x 2160, Intel® HD Graphics 620, Operating System: Microsoft® Windows 10

² Configuration 2 – Intel® Core™ i5-3427U processor, 17W TDP, Turbo up to 2.80GHz, Memory: 2 x 2GB DDR3, Storage: Toshiba® 128GB mSATA Form factor, Display Resolution: 1920x1080, Intel® HD Graphics 4000, Operating System: Microsoft® Windows 10

³ "Cinebench* Open-GL Test - 7th Generation Intel® Core™ processor-based laptop supports over 20.86 Frames Per Second for a better gaming experience" – The workload consisted of running the Cinebench® R15 (build RC83328DEMO) Open-GL Test. This test measures performance in Frames per second (fps). Configuration 1 completed the process with peak of 20.86 fps. Configuration 2 completed the process with 5.60 fps.

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7TH GENERATION INTEL® CORE™ PROCESSOR-BASED LAPTOP



7th Generation Intel®
Core™ processor-
based laptop¹

4th Generation Intel® Core™
processor-based laptop²

Task Completed 3X Faster

Transcode 4K movies 3 times faster with Adobe* Media Encoder
on a 7th Generation Intel® Core™ Processor-based laptop³

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¹ Configuration 1 – Intel® Core™ i7-7500U processor, 15W TDP, Turbo up to 3.50GHz, Memory: 2x4GB DDR4, Storage: 256GB NVMe SSD M.2 Form factor, Display Resolution: 3840 x 2160, Intel® HD Graphics 620, Operating System: Microsoft® Windows 10

³ Configuration 3 – Intel® Core™ i5-4300U processor, 15W TDP, Turbo up to 2.90GHz, Memory: 2 x 2GB DDR3, Storage: Intel SSD 530 series 180GB M.2 Form factor, Display Resolution: 2560x1440, Intel® HD Graphics 4400, Operating System : Microsoft® Windows 10

⁵ "Transcode 4K movies 3 times faster with Adobe* Media Encoder on a 7th Generation Intel® Core Processor-based laptop" – The workload consisted of transcoding a 4K video to 25 fps H.264 using Adobe* Media Encoder pre-set 320x240 25fps. Configuration 1 completed the process in 342 seconds (5 minutes 42 seconds). Configuration 3 completed the process in 1031 seconds (17 minutes 11 seconds).

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