

Intel's 8th generation processor 'darts' delicious 4K videos

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About two years ago, Intel introduced new processors that shaped the computing industry, and this year is no different. While the previous two generations of chips were like half a step, the 8th generation **Kaby Lake Refresh** was almost twice as fast as the 7th-generation Kaby Lake chips.

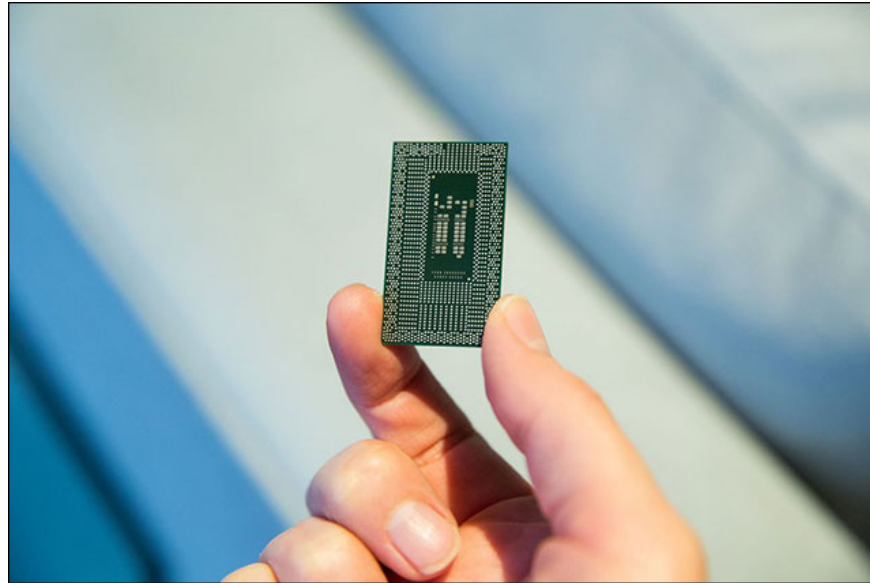
This is a significant increase and you will feel the speed even when surfing the web only.

The first computers (laptops and 2-in-1) using 8-generation chips, available on i5 or i7 cores (U-series) will be available in early September with a maximum of 145 designs. Desktop processors called **Coffee Lake** will arrive in the fall and then will be business versions.

Every new generation of Intel chips brings speed improvements, but this time it's really impressive. With 14nanometer technology (then reduced to 10 nanometer) and quad core (different from dual core), the computer will improve 40% compared to the Skylake chip and 50% compared to the older 5-year machines.

In other words, if you have used a laptop for 5 years, usually the average time a person uses 1 device, you will see the computing speed much faster on the new machine.

Whether browsing the web, editing photos, videos, working with text or spreadsheets or social networking sites, 8th generation chips will make things much faster.



The 8th generation Intel Core chip improved significantly

Compared to 5-year-old machines, multitasking in general will be twice as fast, 1.9 times faster than browsing the web and editing photos on Adobe Lightroom 2.3 times faster.

Graphics-related tasks such as 4K video rendering will be significantly improved thanks to two reserve cores. Intel said that rendering videos would be 14.7 times faster than computers since 2012. 4K 1-minute and 46-second videos encoded in HEVC with a capacity of 440MB will make the 8th generation chip take 3 minutes to render, in when the old 5 year machine will take 45 minutes.

Talking about 4K video, Intel also improved video playback 4K on devices with and without 4K screens. If the laptop is relatively new, playback will not be a problem, but will often sacrifice battery life.

With the 8th generation chip, you can watch 4K video on a 10-hour machine and up to 11 hours of 4K video stream on YouTube. Of course these numbers also depend on your computer, battery health, but this is the standard that Intel wants PC makers towards.

Intel's new chip is quite impressive but despite the quick demo of a laptop with a new processor with 4K video, there is no 5 year old 7-year laptop to compare.

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