Intel's 9th generation microprocessor can be released on October 1

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Sources leaked that Intel will prepare to release three processors

1. Intel Core i9-9900K (8 cores, 16 threads)
2. Intel Core i7-9700K (8 cores, 8 threads)
3. Intel Core i5-9600K (6 cores, 6 threads)

Core i9-9900K high-end chip will appear with 8 cores and 16 threads.This will be the first mass-market Core i9 computer processor, with 16MB of L3 cache, using Intel's UHD 620 graphics chip.

The base clock speed is 3.6 GHz with an overclocked speed of 5.0 GHz when running single and dual core.The quad core will have a base speed of 4.8 GHz and this number in core 6 and 8 is 4.7 Ghz.This is the highest speed seen on the 8 core. It all works with just 95W so hopefully there will be an accompanying cooling solution.

Even 7-core 9-core chips will also have 8 cores and 8 threads (compared to the current 6 only) and Core i5 will also have 6 cores and 6 streams.

The table below shows the details of all three chips

Microprocessor name Core Process / Flow Rate Basic speed overclocking Cache memory Heat exit capacity (TDP) Price Core i9-9900K 14nm ++ 8/16 3.6 GHz 5.0 GHz (1/2 Core)
4.8 GHz (4 Core)
4.7 GHz (6/8 Core) 16 MB 95W ~ 450 USD Core i7-9700K 14nm ++ 8/8 3.6 GHz 4.9 GHz (1 Core)
4.8 GHz (2 Core)
4.7 GHz (4 Core)
4.6 GHz (6/8 Core) 12 MB 95W ~ 350 USD Core i5-9600K 14nm ++ 6/6 3.7 GHz 4.6 GHz (1 Core)
4.5 GHz (2 Core)
4.4 GHz (4 Core)
4.3 GHz (6 Core) 9 MB 95W ~ 250 USD Core i5-9600 14nm ++ 6/6 3.1 GHz 4.5 GHz 9 MB 65W N / A Core i5-9500 14nm ++ 6/6 3.0 GHz 4.3 GHz 9 MB 65W N / A Core i5 -9400 14nm ++ 6/6 2.9 GHz 4.1 GHz 9 MB 65W N / A Core i5-9400T 14nm ++ 6/6 1.8 GHz 3.4 GHz 9 MB 35W N / A Core i3-9100 14nm ++ 4/4 3.7 GHz N / A 6 MB 65W N / A Core i3-9000 14nm ++ 4/4 3.7 GHz N / A 6 MB 65W N / A Core i3-9000T 14nm ++ 4/4 3.2 GHz N / A 6 MB 35W N / A

ASUS, ASRock, MSI, Gigabyte all confirmed that they will support the Intel 9000 processor line on their 300-Series motherboards, now available on the market.The roadmap also shows Basin Falls Refresh with the new Core-X processor and X299 motherboard will also be introduced in the same month.

Knowing the timing of these microprocessors, the only problem is how they will show up when competing with AMD's Ryzen in tasks like gaming.

See more:

1. Learn about clock speed: Base Clock and Boost Speed
2. Intel produced SSD drives shaped rulers, wanted to set a record of storage capacity
3. Intel said don't expect a mass 10nm chip before 2019