

CPU & Motherboard Write-Up

After looking at a few different sites, I found that AMD was ranked highest in manufacturers for CPUs, which stands for Advanced Micro Devices Inc. It had the best reviews for performance and doesn't go above the price of the runner up Intel. AMD was founded in Sunnyvale, California, in May of 1969 by nine different people but currently is led by CEO Lisa Su. The main advantage for AMD is that the "modern processors tend to offer either more cores or threads and faster PCIe 4.0 connectivity at every single price point" (Alcorn)

Intel was founded in July of 1968, also in California by Gordon Moore and Robert Noyce but currently is led by CEO Bob Swan, as of 2019. Intel stands for Integrated Electronics and became huge when they took their advertising campaigns to another level in the 1990s, I would say they do a better job even today than AMD because I have seen so many more products of Intel on tv or even in my house that I know their brand. With their increasingly faster chips and ever new ways to speed up CPU's, Intel made a name for themselves, that will be hard to forget. (Hall)

AMD vs. Intel Total Market Share Q2 2020

	2Q20	1Q20	4Q19	3Q19	2Q19	4Q18
AMD Client	19.7%	17.5%	17.0%	15.8%	15%	13.5%
Client PP Change QoQ / YoY	+2.2 / +4.7	-0.5% / ?	+1.1 / +3.5	+0.8 / +4.2	?	?
AMD Overall x86	18.3%	14.8%	15.5%	14.6%	13.9%	12.3%
Overall PP Change QoQ / YoY	+3.5 / +1.2 (+3.7?)	-0.7 / ?	+0.9 / +3.2	+0.7 / +4	?	?

"AMD has taken 18.3% of the overall x86 share!" Taking the lead over Intel as of the end of August 2020. (Alcorn)

The top Motherboards Manufacturers that I found were: ASRock Inc., AsusTek Computer Inc., and Gigabyte Technology. ASRock was founded in 2002 by a man named Ted Hsu and is actually located in Taiwan. It is considered one of the best because it is reliable, quick, and most of all it is high quality for less money. (Helen) AsusTek is also located in Taiwan as well, founded in April of 1989 by five different people, but is now ran by CEO S.Y. Hsu. Two things that are great about these motherboards is the high quality and great RGB software, the only problem is the pricing is very high. (Helen) Gigabyte is also located in Taiwan, but was founded in 1968 by Pei-Chen Yeh and provides a lot of motherboards to Intel and AMD. Besides customer service, they are great all around, to reliability, great value, to the great design. (Helen)

<https://www.tomshardware.com/features/amd-vs-intel-cpus> (Alcorn)

<https://www.britannica.com/topic/Intel> (Hall)

<https://www.partitionwizard.com/partitionmagic/motherboard-manufacturers.html> (Helen)