"INTEL" VERSUS "AMD"
CPU WARS

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SUMMARY

Intel and AMD have been competing for computer CPU market share for the past 50 years. The rivalry is good for the computer industry and the end-users of the computer industry's products.
INTEL VERSUS AMD

• AMD is "fabless". They outsource all of their manufacturing. Intel has foundries all over the world

• Intel has about 110,000 employees while AMD has about 10,000 employees

• Both companies are located in Santa Clara, California
INTEL VERSUS AMD (continued)

<table>
<thead>
<tr>
<th>AMD Desktop Unit Share</th>
<th>3Q16</th>
<th>4Q16</th>
<th>1Q17</th>
<th>2Q17</th>
<th>3Q17</th>
<th>4Q17</th>
<th>1Q18</th>
<th>2Q18</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9.1%</td>
<td>9.9%</td>
<td>11.4%</td>
<td>11.1%</td>
<td>10.9%</td>
<td>12.0%</td>
<td>12.2%</td>
<td>12.3%</td>
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According to Mercury Research, AMD's share has grown to 12.3 percent in 2Q18. That means that Intel owns 87.7 percent of the desktop PC share. Much of AMD's recent growth has been in its average selling price as the company's customers refresh older processors with newer, more expensive models. That's important to improve profitability. This year, AMD has also
INTEL VERSUS AMD (continued)

INTEL VERSUS AMD (continued)


• More bulls than bears for AMD per stock price chart at Marketwatch:
For the year, shares of Intel are up 3.3% while shares of AMD are up more than 84%, compared with a 3% advance on the Dow Jones Industrial Average DJIA, +0.49% a 5.4% gain on the S&P 500 index SPX, +0.22% a 12.1% gain on the tech-heavy Nasdaq Composite Index COMP, -0.15% and a 9.5% advance on the PHLX Semiconductor Index SOX, -1.17%
One of the biggest catalysts for the respective share moves was growing sentiment that AMD’s 7nm chip manufacturing process was now on parity, or even superior to, Intel’s 10nm process.
INTEL VERSUS AMD

Intel’s 10-nanometer production has been hampered by delays as the Santa Clara, California-based company struggles to shift to the more advanced manufacturing technique. That’s fueled optimism that its cross-town rival can take share in the market for central processing units used in personal computers and servers that’s dominated by Intel. Even after Tuesday’s loses, AMD is up more than 180 percent this year, making it the best performing stock in the S&P 500 Index.
INTEL VERSUS AMD

Earlier in April this year, AMD CEO Dr. Lisa Su went on record noting the company’s first CPU and GPU silicon, based on cutting-edge 7nm process technology, would start sampling this year for volume ramp in early 2019. Meanwhile, around the same timeframe, Intel went on record noting first silicon from its 10nm process technology would be delayed until 2019.

Fast-forward to today and over the weekend, reports came out that TSMC (Taiwan Semiconductor Manufacturing Company) was already ramping up 7nm chip manufacturing volume, with not only AMD GPUs in the mix but also 7nm AMD CPUs, specifically AMD’s Zen 2 architecture-based next generation EPYC server processors.
INTEL VERSUS AMD

AMD just confirmed its 7nm processor and graphics cards for CES 2019

Arif Bacchus, Digital Trends • October 3, 2018

Some roadmaps from earlier this year had us anxiously waiting for more detailed information about AMD’s
With delays still apparently facing the Intel Cannon Lake chips, this could be a good chance for AMD to make a leap over Intel in gaming. There are still lots of questions and rumors on what both companies will offer at CES, but we’ll find out soon enough. The release ends by mentioning that other CES keynote will be announced in the coming weeks.
INTEL VERSUS AMD

Intel’s 10nm ‘Cannon Lake’ processors won’t arrive until the 2019 holiday season

By Kevin Parrish — Posted on July 27, 2018 - 1:17PM