

AMD Opteron™ Processor Again Dominates TOP500

—World's number one system powered by the AMD Opteron processor—

PARIS , France — May 31th , 2010 — AMD (NYSE: AMD) continues to hold the reigning spot on the [TOP500](#) Supercomputer list announced today at the International Supercomputing Conference in Hamburg, Germany. [Jaguar](#), the world's highest performing system, is a massive, 1.75 petaflop Cray XT5™ supercomputer based on the Six-Core AMD Opteron™ processor and features almost a quarter of a million cores. Additional Top 10 systems based on AMD technology are:

- #3: Roadrunner, a hybrid system from IBM using [AMD Opteron processors](#) in conjunction with IBM Cell technology located at Los Alamos National Laboratory
- #4: [Kraken](#), a Cray XT5 system at the University of Tennessee
- #7: Tianhe-1, a hybrid system using [ATI Radeon™ graphics](#) processors at the National SuperComputer Center in China

Forty-seven additional AMD systems are in the TOP500 from OEMs including Appro, ClusterVision, Dawning, Dell, Fujitsu, Hitachi, HP, Koi Computers, Penguin Computing, and Sun.

“Our customers are selecting AMD platforms for supercomputing because they provide the cores, the memory, the power savings and clearly the [performance](#) that the world's leading research institutions require for their ground-breaking work,” said John Fruehe, director, Server and Embedded product marketing at AMD. “AMD has been a leader in delivering the benefits of x86 and open source computing to the HPC community and it will be exciting to see what further advances the [AMD Fusion™ family](#) of Accelerated Processing Units (APUs) will bring.”

Key Facts

- The number of AMD technology-based Supercomputers on the TOP500 now stands at 51, a rise since November 2009.
- AMD technology helps drive more than 4.2 Petaflops of computing power on the TOP10 alone.

- Cray recently announced numerous new contracts for its next-generation Cray XE6™ supercomputer to be based on AMD Opteron™ 6100 Series processors with the ability to scale to more than 1 million cores.
- In addition to universities and national labs, AMD also powers world-class supercomputing resources in the enterprise, including engineering, finance and IT service.
- AMD-based systems provide leading supercomputing resources across the globe including in the United States, China, Japan, the United Kingdom, Japan, Germany, Switzerland, Norway, and Finland.

Supporting Resources

- [Jaguar](#) and [Kraken](#) videos on the [AMD Opteron YouTube channel](#)
- Visit [AMD on Facebook](#)
- AMD Unprocessed [Flickr](#) stream
- Follow AMD on Twitter [@AMDOpteron](#)
- [AMD@Work blog](#)

About AMD

Advanced Micro Devices (NYSE: AMD) is an innovative technology company dedicated to collaborating with customers and technology partners to ignite the next generation of computing and graphics solutions at work, home and play. For more information, visit <http://www.amd.com>.