

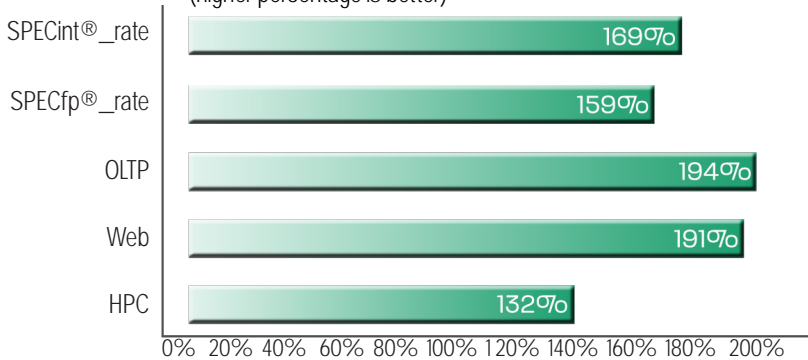


The Results are In!

The Latest Third-Generation AMD Opteron™ Processor Industry Standard Server Benchmarks are in. Highlights include:

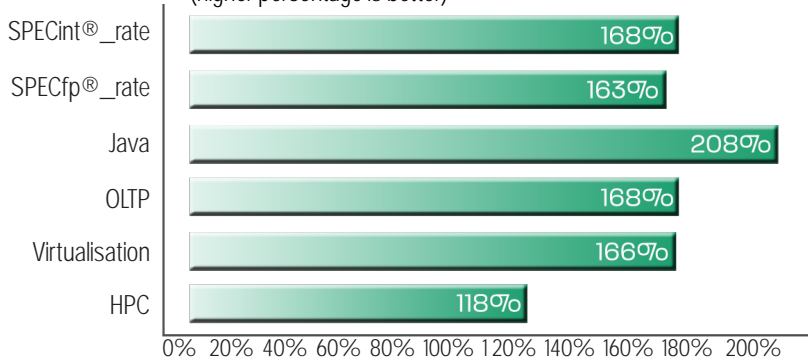
- 67% overall performance improvement by migrating from Dual-Core AMD Opteron processors to Quad-Core AMD Opteron Processor (two socket).
- 63% overall performance improvement by migrating from Dual-Core AMD Opteron processors to Quad-Core AMD Opteron Processor (four socket).

Two-Socket Quad-Core AMD Opteron™ Performance
(higher percentage is better)



*Quad Core AMD Opteron™ Processor vs. Second Generation Dual-Core AMD Opteron™
Two Socket Server Comparison*

Four-Socket Quad-Core AMD Opteron™ Barcelona Performance
(higher percentage is better)



*Quad Core AMD Opteron™ Processor vs. Second Generation Dual-Core AMD Opteron™
Four Socket Server Comparison*

2P: SPEC, SPECfp, SPECcpu, SPECint, SPECweb, and SPECComp are registered trademarks of the Standard Performance Evaluation Corporation. The results stated above reflect results published on www.spec.org, www.tpc.org, and www.sap.com as of April 22, 2008. These comparisons are based on results for Quad-Core AMD Opteron processor Model 2356, Dual-Core AMD Opteron processor Model 2220 (OLTP), and Dual-Core AMD Opteron processor Model 2222 (SPECint, SPECfp, Web, HPC). For the latest results, visit www.spec.org, www.tpc.org, and www.sap.com.

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AMD Opteron™ Processor Update

June 2008



Helpful Tips:

AMD Opteron Processor Model # Quick Reference

Have you ever....

- ⇒ Needed a quick one pager on processor specifications by AMD part #/OPN?
- ⇒ Lose track of the various nomenclatures among generations of AMD Opteron™ processors?
- ⇒ Need a quick way to get an OPN?

If you answered yes to any of the above, please visit and bookmark the following website:

<http://products.amd.com/en-us/OpteronCPUFilter.aspx?fl=Third-Generation+AMD+Opteron%e2%84%a2>
– your one stop online resource for Third-Generation AMD Opteron™ processor specifications at-a-glance.

In the Media:

- ⇒ http://weblog.infoworld.com/yager/archives/2008/05/ahead_of_the_cu_4.html
- ⇒ <http://www.internetnews.com/hardware/article.php/3745836/Why+AMD+Went+the+MultiChip+Module+Route.htm>
- ⇒ <http://www.crn.com/hardware/207602668;jsessionid=GCIEUIYTPGHLKQSNLDPCKHSCJUNN2JVN>
- ⇒ <http://www.informationweek.com/news/hardware/processors/showArticle.jhtml?articleID=207602564>
- ⇒ http://www.cio-today.com/news/AMD-Debuts-Efficient-Server-Chips/story.xhtml?story_id=030002AVW3HU

