



## News Release · Presseinformation

### **Qimonda Helps Reduce Data Center Energy Costs - Servers Equipped With Qimonda's Power Saving Memory Modules Show up to 30% Reduction in Power Use**

Munich, Germany and San Jose, Calif. – June 22, 2006 – Qimonda AG, currently a wholly-owned subsidiary of Infineon Technologies AG and a leading supplier of memory products, today announced that comparative tests of memory modules and analysis of actual data center energy costs show that the low power consumption of Qimonda's standard DRAM can save thousands of dollars in the annual energy costs of data centers.

Spiraling energy costs are becoming a serious issue in data centers, which are installations of hundreds or even thousands of servers and associated equipment used by Web services companies and operating computer networks of large organizations. Qimonda and Sun are working closely together to provide low power products and set industry benchmarks for power saving performance in server applications. Reduction in power saves energy costs in two ways, directly by reducing the energy used by the server and indirectly by reducing heat that must be managed by cooling systems.

Tests showed up to a 30% reduction in memory power consumption when combining Qimonda's power efficient DDR2 Dual In-line Memory Modules with Sun's breakthrough server system designs, demonstrated by platforms such as the award winning Sun Microsystems Sun Fire T2000 server. Based on an analysis of costs to power a typical

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**Public Relations**

Worldwide Headquarters

U.S.A.

Asia

Investor Relations

**Name**

Ralph Heinrich

Matt Schmidt

Regine Liu

Andreas Schaller

**Phone**

+49 89 234 22404

+1 650 691-1488

+886 2 2652 6900

+49 89 234 25852

**E-mail**

ralph.heinrich@qimonda.com

matt@fscomm.com

regine.liu@qimonda.com

andreas.schaller@qimonda.com



data center described at a recent industry conference, memory modules from Qimonda can save up to \$70,000 per year in energy costs.

The data Qimonda used for this calculation was presented at a conference hosted by Sun Microsystems in January of this year in Santa Clara, Calif. At the same conference, industry experts forecast that by 2008 computer memory subsystems will represent up to one-half of the power used in computer servers.

“Sun and Qimonda have a clear focus on and roadmaps for lower power products for the future,” said Kurt Doelling, Vice President for Worldwide Operations of Sun Microsystems. “The challenge of managing the energy budget of data centers must be addressed across the entire system design, and Qimonda is making a significant contribution by proving that its DIMMs deliver energy savings.”

“Qimonda’s power saving trench technology reduces server’s energy consumption significantly and at the same time enables server systems to incorporate higher densities and maximize system performance,” said Thomas Seifert, member of management board of Qimonda. “Thus we are best positioned to provide a clear cost advantage for server systems as infrastructure demand grows rapidly and energy costs start to exceed equipment costs.”

Qimonda compared the energy used by both its 1GB DDR2 DIMM and 2GB DDR2 DIMM products to 1GB-density DDR2 DIMM devices from other companies. At the same 1GB density, the operating current consumed by the Qimonda components was up to 30 percent lower. When Qimonda tested its 2GB DIMMs, operating current was equal to or slightly less than the 1GB density products from other companies.

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Ralph Heinrich  
Matt Schmidt  
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Andreas Schaller

**Phone**  
+49 89 234 22404  
+1 650 691-1488  
+886 2 2652 6900  
+49 89 234 25852

**E-mail**  
ralph.heinrich@qimonda.com  
matt@fscomm.com  
regine.liu@qimonda.com  
andreas.schaller@qimonda.com



## About Qimonda

Qimonda AG, the new memory company carved out of Infineon Technologies AG on May 1, 2006, took the number-two position in global DRAM sales in the first quarter of the calendar year 2006 (according to Gartner Dataquest, May 2006). Currently a wholly-owned subsidiary of Infineon, Qimonda is headquartered in Munich, and generated net sales of €2.8 billion in its 2005 financial year. Qimonda has approximately 12,000 employees worldwide and access to five 300mm manufacturing sites on three continents, and it operates five major R&D facilities, including its lead R&D center in Dresden. With a historical emphasis on PC and server products, the company is now focusing on products for graphics, mobile and consumer applications using its power saving trench technology. Further information is available at [www.qimonda.com](http://www.qimonda.com).

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