

# Press Release



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## **Aquantia Announces Sampling of Industry's First Low-Power 10GBASE-T Silicon for Mainstream Applications**

### **AQ1000 Family Expands 10-Gigabit Ethernet in the Data Center by Enabling Low-Cost Copper Connectivity with the Familiar RJ45 Jack**

**MILPITAS, CA, April 21, 2008**—Aquantia, the leading developer of mainstream 10GBASE-T solutions, today announced the sampling of the AQ1000 family of PHYs, the first 10GBASE-T PHYs that meet the requirements of volume platforms such as servers and aggregation switches within the data center. By enabling copper 10GE connectivity within the data center, Aquantia's new devices permit familiar RJ45 and copper cabling to deliver the benefits of 10GE without the costs and complexities of the XFP or SFP+ alternatives.

"The 10GBASE-T standard has been around for some time, but the first products were more proofs-of-concept than high-volume production vehicles," said Jag Bolaria, senior analyst at the Linley Group. "Aquantia's new PHY products will reduce power dissipation sufficiently to kick off the start of volume deployments by server and switch vendors."

Aquantia's AQ1000 family of 10GBASE-T PHYs features low power in a compact 21mm BGA package. These are monolithic designs implemented in a proven 90nm CMOS process. The innovative architecture delivers the low power of 5.5W for a max distance of 100m of Category 6A cable. This low power enables 10GBASE-T within mainstream applications such as dual-port NICs, 16-port line cards, and 24-port aggregation switches. This is the first low-power monolithic 10GBASE-T PHY to be sampled into the marketplace. The AQ1001 offers single-speed 10GE operation and is sampling now. Aquantia will host demonstrations in Aquantia's suite (ER2482) on the show floor at Interop Las Vegas on April 29 through May 1.

Multi-rate 100M/1GE/10GE and Wake-on-LAN (WOL) capabilities will be featured in the AQ1002. The AQ1002, which is socket- and firmware-compatible with the AQ1001, will be sampling within the third quarter.

“Our goal from the outset was not just to design low-power 10GBASE-T silicon suitable for demonstrating technology, but also to meet the market’s requirements for volume manufacturability and deployment,” said Phil Delansay, president and CEO of Aquantia. “Such low power in 90nm demonstrates the merit of Aquantia's differentiated architecture. In achieving this goal, the AQ1001 product line marks the beginning of real-world deployment of 10GBASE-T in data center and enterprise applications.”

## **About Aquantia**

Aquantia is a supplier of 10GBASE-T Ethernet physical layer silicon that enables cost-effective, high-bandwidth connectivity with familiar RJ45 connectors and twisted-pair copper cabling. Low-power 10GBASE-T PHYs are instrumental in deployment of the converged network in servers, switches and storage.

Aquantia is an active participant in the Ethernet Alliance as well as IEEE initiatives, and uses its unique expertise to deliver the industry’s most advanced products. Aquantia is a venture-backed private company with strong financial backing from Lightspeed Venture Partners, Greylock Partners, VentureTech Alliance, and Pinnacle Ventures. For more information, please visit [www.aquantia.com](http://www.aquantia.com).

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