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## FOR IMMEDIATE RELEASE

### DTI Offers Eight-Core AMD “Shanghai” AdvancedTCA Processing Blade

#### *ATC6239 – Dual, Quad-Core CPU Blade with 10GbE Fabric, Now Shipping*

June 9, 2009 – Diversified Technology, Inc. (DTI) announces increased performance for their ATC6239 Dual Quad-Core AMD Opteron™ processor-based Node Board by supporting AMD’s Third Generation Opteron™ processors (code-named *Shanghai*). The blade is a PICMG® 3.1 Option 9 compliant processor blade that provides higher performance per watt than previously offered for intensive multi-threaded networking applications.

“Our ATC6239 is now equipped with two 45nm, Quad-Core AMD Opteron™ (*Shanghai*) processors”, said Patrick Welzien, VP of Engineering for Diversified Technology, Inc. “These 2.4GHz, Third Generation, Quad-Core processors from AMD include more on-chip cache for greater performance. With eight cores, 32GB of memory, and 10G Ethernet, the ATC6239 offers extreme processing power to supply the high-bandwidth networks needed to lead the way in today’s AdvancedTCA Blade Market.”



## **About the ATC6239**

The ATC6239 is Diversified Technology's AMD Opteron™ processor-based Node Board designed for next generation telecom equipment markets. The board is a PICMG® 3.1 Option 9 processor board that combines low price with high performance per watt needed for server virtualization, wireless access/edge, telecom fiber transport, media gateways, soft switches, and Internet IP-based applications.

The board was designed around the PCI Industrial Computer Manufacturers Group's (PICMG®) 3.x specification (AdvancedTCA®), which is an open industrial standard for new hardware platforms in carrier-grade networks.

DTI's ATC6239 is equipped with Dual Quad-Core 2.4GHz AMD Opteron™ Socket-F (1207) (Shanghai) processors, each with 2MB L2 cache (512KB per core), 6MB shared L3 cache, and support for up to 32GB of memory. It utilizes a high-speed Hyper-Transport link to connect with the Broadcom HT2100 and HT1000 server-class chipset.

I/O peripherals located on-board are a dual port 10/100/1000Mbps/sec auto-negotiating Ethernet controller for the Base interface, a dual port 10G Ethernet controller for the Fabric interface, a dual port 10/100/1000Mbps/sec auto-negotiating Ethernet controller for one front and rear panel interfaces, one AMC.1 site for I/O peripherals (the Fabric is x4 PCI-Express, Common Options Region supports a SATA drive port), and other peripherals designed for high-performance Telco needs.

The board fully supports the AdvancedTCA concept of separate data and control plane traffic when paired with DTI's ATCA switch boards. The ATC6239 is compliant with the ATCA 3.1 specification via Option 9.

The ATC6239 includes an AMI® Embedded BIOS supporting boot from HD, USB, CD-ROM, or the network. Console redirection, PnP, and PCI auto configuration are also supported. Operating systems supported include Microsoft® Windows Server and Linux (RedHat Enterprise Linux, SuSE, and others)

## **Availability**

Production shipments for the ATC6239 are available now.

## **About Diversified Technology, Inc.**

Diversified Technology, Inc. (DTI) is an embedded hardware company whose strength lies in the cohesive approach we use with our customers. This cohesive approach means DTI works hand-in-hand with companies to ensure they are getting the best performance, highest reliability, shortest time-to-market and the most efficient use of computing hardware for their program's embedded application. DTI, an Ergon Company, was founded in 1971 and has a history of design experience with standardized form factors such as AdvancedTCA, CompactPCI, PCI, ETX, and COM Express. ([www.diversifiedtechnology.com](http://www.diversifiedtechnology.com))

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