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### FOR IMMEDIATE RELEASE

#### **AdvancedTCA Rackmount Solutions Packaged for Enhanced Telco Applications**

*The Targa-14 and Targa-5 AdvancedTCA Platforms Deliver Outstanding Performance That is Unmatched in Today's Communications Market*

CTIA Wireless / New Orleans, LA – March 11, 2005 – Diversified Technology, Inc. (DTI) will be showcasing two of its enhanced AdvancedTCA Rackmount Platforms in their booth (1774) at next week's CTIA Wireless 2005 event. The Targa-14 (14 slot) and Targa-5 (5 slot) are fully integrated solutions designed for deployment into the Telecom and Datacom market segments and are powered by DTI's AdvancedTCA® CPU blades designed around the Intel® Xeon processor. These new enhanced versions of the ATCA Systems utilize DTI's dual Xeon™ Node board, ATC5231, and high availability advanced hub switch, ATS1460.

“DTI was quick to deliver a working AdvancedTCA development system in our Targa-14L and Targa-5L systems. DTI's second generation, Targa-14 and Targa-5 systems, move from development to true ATCA deployments. Each of these platforms feature high performance dual Xeon CPU blades based on the Intel® E7520 chipset, and high performance managed switches using Broadcom's StrataXGS™ family of switching silicon”, states Joe McDevitt, DTI's AdvancedTCA program manager.



#### **About the Targa-14 and Targa-5**

The Targa systems are rackmount ATCA solutions with integrated shelf management and standard array of DTI AdvancedTCA® blade products. The platforms implement a single high availability system architecture across all hardware and software layers. This enables typical equipment manufacturers to efficiently execute a wide variety of communication applications and Network Elements, whether they are server-type or control and data-plane architectures in the Access and Edge Networks of the wireline and wireless infrastructure. Targa systems represent cost savings and reduced total cost of ownership, which can be realized on multiple levels. These range from more efficient design, harmonized logistics, and less training to cost savings due to high volume deployment and respective lower unit pricing effects on high end computing systems.

Based on Intel® technology, these high-performing AdvancedTCA platforms incorporate the latest trends in high speed interconnect technologies, next generation processors, and improved reliability, manageability and serviceability resulting in a new blade and chassis form factor optimized for communications. Compliant with the PICMG® 3.0 specification, these servers can achieve levels of backplane interconnect bandwidth and flexibility not previously possible in standards-based products. Enhanced Targa systems featuring dual Xeon CPU Blades and managed switches will be production ready in 3Q 2005 with beta units available now. Visit our AdvancedTCA site for more information on DTI's Targa Series (<http://www.atcatogo.com/>).

#### **About the ATC5231 Node Blade**

The [ATC5231](#) is Diversified Technology's Intel® Xeon™ processor based Node Board designed for the next generation of telecom equipment markets. The board is a PICMG® 3.1 compliant processor blade that combines low price with high performance for wireless access/edge, telecom fiber transport, media gateways, soft switches, and Internet IP-based applications.

The blade was designed around the PCI Industrial Computer Manufacturers Group's (PICMG®) new 3.0 specification (AdvancedTCA®), which is an open industrial standard for new hardware platforms in "carrier-grade" networks. DTI's ATC5231 is equipped with a dual low voltage 2.8GHz Intel® Xeon™ Processor and features a high I/O bandwidth Intel® E7520 server-class chipset with 800MHz front side bus and support for up to 16GB of memory. Located on-board are two 10/100/1000Mbps/sec auto-negotiating Ethernet controllers for the base interface, two additional 1000Mbps/sec Base-BX Ethernet ports for the fabric interface via Intel's 82546GB, 2 Fibre Channel PI channels and one 64-bit/66MHz PMC site for user configuration, and other peripherals designed high performance Telco needs. The board fully supports the AdvancedTCA concept of separate data and control plane traffic when paired with DTI's ATS1460 in DTI's Targa Series Chassis.

The ATC5231 is compliant with ATCA 3.1 specification via Option 4, including four backplane Ethernet connections and two fibre channel connections.

The ATC5231 utilizes an AMI® Embedded BIOS with boot from 2.5 in ATA or Fibre Channel HD, CD-ROM, USB or the network. Console redirection, PnP, and PCI auto configuration are also supported. A variety of operating systems will be supported including MontaVista Linux® Carrier Grade Edition (CGE) and Solaris 10. The ATC5231 can optionally use Small Form Factor (SFF) Fibre Channel drives or standard 2.5in IDE laptop drive. The SFF Fibre channel drives offer outstanding MTBFs of 1,400,000 hrs (24/7 operation) compared to average laptop hard drives having only 150,000 hours (less than 24/7 operation).

#### **About the ATS1460 Hub Blade**

The ATS1460 Hub Board is an AdvancedTCA 3.0 and 3.1 Option 4 switch with support for high availability. It provides separate control plane switching, data plane switching, and storage plane switching for ATCA shelves. It supports gigabit Ethernet on the base control network. On the fabric network it supports both gigabit Ethernet for data and 2-gigabit Fibre Channel for storage. All 3 networks are non-blocking and feature wire-speed learning for maximum performance.

The ATS1460 features 24-port gigabit Ethernet switches on both the base and fabric data networks. Ports are provided to support the full 16-slot shelf with both redundant switches and redundant shelf managers. 9 uplink ports on fabric, and 8 uplink ports on base are also provided for connections between shelves and to outside networks. Both switches feature layer 2 switching and layer 3 routing as well as advanced features such as a DHCP server, independent VLAN learning, VRRP, RIP, OSPF, rapid spanning tree, DiffServ, and access control lists among others. With support for a industry standard CLI, telnet/SSH, SNMP, RADIUS, and a web interface, the ATS1460 provides robust management. Both switches also feature a 400MHz CPU with 128MB SDRAM and 32MB flash for the most demanding of applications.

The ATS1460 also features a 16-port Fibre Channel switch for storage traffic. A full 16-slot shelf and redundant switches are supported. A 4-gigabit Fibre Channel uplink port can be used to connect to an external SAN or another shelf. The switch can act as a hub or a switch for both direct-attached and network-attached storage. An advanced but easy to use management is provided with over a CLI, telnet/SSH, SNMP, and through the web. The Fibre Channel complex features a 200MHz CPU with 256MB DDR and 64MB flash for user applications.

The AT51460 hub board is the perfect switch for any AdvancedTCA system that requires top performance, high availability, and robust management.

**About Diversified Technology, Inc.**

Diversified Technology, Inc., an Ergon Company, has been a leading designer/manufacturer of single board computers, embedded platforms, and rackmount systems in the industrial computing market for over 30 years. As a silver member of the Intel® Communications Alliance and an ISO9001 certified company, DTI provides Intel® Architecture-based computer boards, systems, and products for next generation processing applications. For more information of Diversified Technology, Inc., visit us on the web at (<http://www.dtims.com/>).

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