



## **MaxCU**

Dynatem introduces the World's First  
High-Performance, 10-Gigabit Ethernet  
over Copper (UTP Cabling) Network  
Interface Card

**PRESS RELEASE**

**PHOTO AVAILABLE**

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## **Features:**

- **10GbE over copper PCI-X (64 bit/ 133 MHz) Network Interface Card (NIC)**
- **Cost-effective 10 Gigabit performance for distances up to 10 meters**
- **Highly integrated PCI-X second-generation silicon from Intel for high performance**
- **Smaller form factor with VATIV copper PHY fits in a standard server PCI or PCI-X slot**
- **Follow-on products to include PCI-Express NIC and PMC/PMC-X and AMC site mezzanine cards**

**Mission Viejo, California, Oct 28, 2005**---- Dynatem is now introducing **MaxCU single-port 10 GbE PCI network interface card (NIC)**. The MaxCU PCI NIC offers the highest throughput Ethernet performance in the world today. This new product will allow datacenters to use low-cost CAT5e/CAT6 cabling for 10GbE stacking and short-

reach links (CAT5e and CAT6). Until now, only fiber optic 10GbE NIC solutions existed. Those short-reach fiber optic NICs cost 30% more than our copper NIC and installed costs are DRAMATICALLY reduced based on materials and installation time. MaxCu also consumes 50% less power than its fiber optic relatives.

The Dynatem MaxCU/10GbE Server Adapter is the industries first generation of 10 Gigabit Ethernet adapters – enables the fastest Ethernet connectivity available at approximately half the cost and half the power consumption of its fiber optic short-reach based relatives. The Dynatem MaxCu/10GbE Server Adapter delivers industry-leading performance to bandwidth-intensive applications using a highly integrated PCI-X Intel 82597EX 133 MHz/64-bit 10GbE controller coupled with the most functional copper PHY on the market to today from Vativ Technologies, the V10LAN transceiver/PHY. High-speed server connectivity once reserved for costly proprietary technologies such as high-performance computing clusters and grid-based computing, can now be achieved with the Dynatem MaxCu/10GbE Server Adapter.

Using the Dynatem MaxCU Server Adapter, enterprises can cost-effectively deploy 10GbE to a broad range of servers using lower-cost COPPER cabling and switching infrastructure. The MaxCu enables 10GbE transmissions at distances up to 10 meters using standard CAT5e or CAT6 cabling and RJ-45 connectors. The Dynatem MaxCu/10GbE Server Adapter helps improve network productivity and eliminate costly propriety networking technologies and expensive 10GbE fiber optic infrastructure, while

enabling deployment of standards-compliant Ethernet connectivity based on IEEE 802.3ae-compliant 10 Gigabit Ethernet standard.

A MaxCU based backbone solution provides an attractive alternative to a 10GBASE-CX4 solution by enabling IT managers to implement short-reach 10GbE links over readily available, inexpensive UTP cables. CAT5e and CAT6 cables are deployed today in most datacenters and can be cut and spliced in-house as needed at negligible cost. In contrast, a CX4 (Infiniband) cable assembly is factory-ordered and typically costs upwards of \$100. These factors, in conjunction with other CX4 cable such as weight and bend radius, have kept the technology from widespread implementation.

The MaxCU NIC is targeted toward the datacenter market. The availability of this product will let datacenter managers populate PCI slots with significantly cheaper alternative without requiring replacement of existing corporate servers.

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