



## **New EtherCAT slave module in AMC form factor from N.A.T.**

*The NAMC-ECAT allows MicroTCA systems to be used as distributed intelligent nodes in existing EtherCAT networks in the industrial automation market.*

**Sankt Augustin, Germany** – October 27, 2009 - N.A.T., expert for high-performance network interfaces and industrial computers introduces its slave EtherCAT AMC module: NAMC-ECAT.

With the NAMC-ECAT any embedded system based on the MicroTCA standard can be integrated as a slave node in an existing high performance, real time field bus system based on EtherCAT. The NAMC-ECAT offers three RJ45 connectors at front panel to also allow branches in the EtherCAT network. Sensor and actor data transfer within the MicroTCA system is based on PCIeexpress.

To use a MicroTCA system as **EtherCAT master** only a standard CPU AMC module running the software for Master EtherCAT and a standard Ethernet are needed.

To use a MicroTCA system as **EtherCAT slave** a special AMC module is needed, which adds and drops information on the fly in real time into the EtherCAT bit stream. The NAMC-ECAT is available in compact, mid and fullsize format and is based on the ET1100 slave controller.

MicroTCA systems as slave devices of an EtherCAT network can be used for image and sensor preprocessing or for complex control application as e.g. for robot. As EtherCAT allows also the transfer of standard Ethernet packets all the new features of remote control and management functions can be used over the same cable.

N.A.T. will be showing MicroTCA systems used as EtherCAT master and EtherCAT slave for industrial and aerospace test applications at the upcoming exhibitions.

### **About N.A.T.**

N.A.T. offers a large variety of hardware and software products for data and telecommunication. The products are based on open industrial standards such as AMC,  $\mu$ TCA, VMEbus, CompactPCI, PMC, PCI and PCIe.

For further information please visit us at MicroTCA Conference in Munich, November 3, 2009 or at the SPS/IPC/Drives in Nuremberg, November 24-26, 2009 in Hall 7A on the Embedded4You stand. Information will be also available at our web site [www.nateurope.com](http://www.nateurope.com) or by contacting our sales team by phone (+49-2241-3989-0) or e-mail ([sales@nateurope.com](mailto:sales@nateurope.com)).