



Embedded Boards • Power Supplies • Instruments

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## For Immediate Release

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### *North Atlantic Industries Announces Industry's First 6U VME Single Board Computer with Multi-Function I/O*

**Bohemia, NY, December 1, 2010** -- North Atlantic Industries (NAI) announces the availability of a 6U, VME Single Board Computer (SBC) with multi-function and communications I/O options. The 64EP3 effectively eliminates the need for a separate SBC for I/O intensive system applications. The processor provides real-time, intelligent sensor data acquisition and local data management operations such as analysis, algorithm manipulation and control of all I/O functions. It also supports direct data management and distribution between dual Gigabit Ethernet and communication interfaces such as MIL-STD-1553, ARINC 429/575, RS232/422/485 and CANBus.

The [64EP3](#) SBC board platform includes four module slots for numerous mix-and-match configurations from a wide selection of multi-function I/O and communication modules. The available I/O functions include A/D, D/A, Discrete/TTL/CMOS/Differential I/O, RTD, Synchro/Resolver/LVDT/RVDT Measurement and Simulation and Encoder/Counter. Available communication functions include MIL-STD-1553, ARINC 429/575, RS232/422/485 and CANBus. The enhanced motherboard design, using multiple DSP's, enables higher processing power and dedicated control for each I/O module.

#### **SBC Configurations Include:**

**U3 Processor Module:** Utilizing Freescale's 1.25 GHz e500 core MPC8536 PowerPC processor, coupled with Wind River's VxWorks 6.x BSP and NAI's full complement of libraries, system integrators are given complete control over the development of their I/O systems using a total NAI solution.

**U2 Processor Module:** Designed with Analog Devices' 500 MHz low power Blackfin® BF-533 processor, users can confidently take advantage of the powerful real-time Visual DSP++ Development environment. Armed with NAI's function module libraries, real-time "C" code applications can be developed and deployed quickly for sensor control and communication management systems.

"An SBC with four available multi-function I/O slots providing a complete, embedded data distribution and processing solution is unprecedented in the industry," said Lino Massafra, VP of Sales and Marketing. "The [64EP3](#) allows users to develop application code in support of their I/O and communication-intensive applications without the need for a separate SBC, reducing the number of VME slots required in the system."

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*Photo attached*

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***North Atlantic Industries***

*North Atlantic Industries (NAI) is a leading independent supplier of Embedded I/O Boards, Single Board Computers, Rugged Power Supplies, Embedded Systems, Motion Simulation and Measurement Instruments for the Military, Aerospace and Industrial Industries. NAI provides the highest quality COTS and modified COTS products in Commercial, Extended Temperature and Rugged versions. Information about NAI and its products can be found at [www.naii.com](http://www.naii.com).*





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