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North Atlantic Industry's 6U OpenVPX Multi-Function Board Selected as Editor's Choice Product by VME and Critical Systems Magazine

Editors single out new NAI 67C3 OpenVPX board for delivering impressive
mix-n-match I/O capabilities

Bohemia, NY, January 5, 2011 -- North Atlantic Industries (NAI), today announced that it has received the Editor's Choice Award by *VME and Critical Systems Magazine*, a leading industry publication, in their winter edition, for the recently announced single slot, OpenVPX 6U Multi-function I/O and serial communications card. NAI introduced the industry's first 6U OpenVPX multi-function I/O Card on October 12, 2010 as the next generation architecture for embedded systems, ideally suited for military, aerospace and industrial applications.

Selected based on its control and packing density options, NAI's modular 6U OpenVPX motherboard can be populated with up to six independent function modules realizing a myriad of I/O functions which can be controlled by VME, Dual Gigabit Ethernet and Serial Rapid I/O or PCIe. The unique design eliminates the need for multiple, specialized, single function cards by providing a single board solution for a broad assortment of function modules.

"Sure, everyone's got a VPX SBC – but where do you go when you want high-density, single-slot synchro/resolver I/O? North Atlantic Industries, of course," said Chris Ciufu, Group Editorial Director of *VME and Critical Systems Magazine*. "The choices for connectivity are impressive: synchro/resolver, LVDT/RVDT simulation and measurement, A/D, D/A, discrete/differential/TTL/CMOS, RTD, Encoder, and a plethora of more common I/O."

"Having our latest OpenVPX, multi-function I/O card selected as an Editor's Choice Product highlights our continued commitment to deliver differentiating, superior performance COTS solutions to our customers in the Defense, Homeland Security and Aerospace Industries," said Lino Massafra, Vice President of Sales and Marketing at NAI. "With this design we offer maximum flexibility in support of the 6U OpenVPX standard."

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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.

By Chris A. Ciuffo
Editor

Mix-and-match I/O saves power, space

Sure, everyone's got a VPX SBC — but where do you go when you want high-density, single-slot synchro/resolver I/O? Why, North Atlantic Industries, of course. You'll want to get your mitts on the 67C3, a modular 6U VPX motherboard that can be populated by up to 6 independent submodules to realize myriad I/O functions. And, each I/O can be controlled by VME, dual GbE, Serial RapidIO, or PCIe. *Control and packing density* are the keywords of this OpenVPX board.

The choices for connectivity are impressive: synchro/resolver, LVDT/RVDT simulation and measurement, A/D, D/A, discrete/differential/TTL/CMOS, RTD, encoder, and a plethora of more common I/O. These include: serial (RS-232/422/485), MIL-STD-1553, ARINC 429, and even the automotive CANbus.

The board is available in air- and conduction-cooled versions, and it can operate over -40 °C to +85 °C. It's kind of like shopping at the dollar store, with so many choices available it's hard to decide which combination to choose.



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