



Multi-function I/O • SBCs • Power Supplies • Rugged Systems • Instruments

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For Immediate Release
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New Rugged SBCs from NAI Feature More Processing Power, Highest I/O Density and Greatest Flexibility of any SBC in the Industry

ARM Cortex-A9 SBCs support defense and aerospace 3U cPCI and 6U VME open architectures

Bohemia, NY, December 2, 2014 – North Atlantic Industries (NAI) announces the availability of their new 6U VME and 3U cPCI Single Board Computer (SBC) solutions powered by the latest high-speed ARM Cortex-A9 dual core processor. Built on [Custom-On-Standard Architecture™ \(COSA™\)](#), these SBCs are designed to support a multitude of Mil-Aero applications that require high-density, highly configurable I/O and communication functions. Pre-existing, fully-tested functions can be selected quickly and easily to meet system requirements. Furthermore, each I/O function has its own dedicated processing thereby unburdening the SBC from unnecessary data management overhead—delivering size, weight and power (SWaP) efficiencies and reduced overall system costs.

NAI's [75ARM1](#) and [64ARM1](#) support 3-6 high-performance function module slots that enable system integrators to choose from a selection of 40+ field-proven I/O and communication functions. Available functions include A/D; D/A; TTL; RTD; discrete I/O; differential transceiver; synchro/resolver/LVDT/RVDT measurement, simulation and excitation; quad channel redundant BC/RT/MT MIL-STD-1553; high-speed sync/async RS232/422/423/485; ARINC 429/575 and CANBus.

“NAI’s rugged SBCs offer more I/O intelligence in the smallest package with the highest processing power than anyone else in the industry,” said Lino Massafra, VP of Sales and Marketing. “Modules on the 75ARM1 and 64ARM1 each have their own dedicated ARM processor which frees up the main processor to be used by the application. This architecture is unique to NAI and the industry.”

The [75ARM1](#) and [64ARM1](#) include BSP and SSK support for Wind River® Linux, VxWorks®, and for Xilinx® PetaLinux Tools.

For more information about North Atlantic Industries’ rugged 3U cPCI 75ARM1 and 6U VME 75ARM1 SBCs go to <http://www.naii.com/Single-Board-Computers/PC20>



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North Atlantic Industries

NAI is a specialized provider of embedded electronics and computing for sense & response-intensive, Mil-Aero applications. We accelerate our clients' time-to-mission with a unique approach based on a Custom-on-Standard Architecture™ (COSA™) that delivers the best of both worlds: custom solutions from standard COTS components. For over 50 years, major defense systems integrators have leveraged our capabilities to meet the demanding requirements of a wide range of I/O- and communication-centric applications, with uncompromising quality, efficiency and responsiveness.



NAI 75ARM1 SBC