



**Embedded Boards • Power Supplies • Instruments**

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**For Immediate Release**

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***NAI Introduces Industry's Only Single Slot, 3U cPCI QorIQ P2041 SBC Solution with Mix-and-Match, Multi-function I/O and Communication Functions—  
On One Board!***

**Bohemia, NY, May 3, 2011** -- North Atlantic Industries (NAI) announces the availability of a 3U cPCI COTS Single Board Computer (SBC) solution with **dual high speed/performance function module slots for configurable multi-function I/O interface expansion**. Powered by Freescale's 1.2 GHz QorIQ P2041 Power Architecture processor, the [75SBC4](#) offers an extremely low power, cost-conscious processing and I/O solution ideally suited for sensor and communication data acquisition, distribution, processing and management for a wide range of land, sea and air military platforms.

Two I/O function slots enable integrators to mix-and-match a variety of I/O, communications functions and/or SATA II NAND Flash memory. The [75SBC4](#) configured with **two** functions enables systems integrators to confidently manage, monitor and process a host of sensor interfacing requirements with NAI's flexible, fully programmable I/O modules. This configurable, unique COTS design offers a broad assortment of signal interfaces including Digital I/O (Discrete, Differential, TTL/CMOS); Analog I/O (A/D, D/A, RTD, Strain Gage); Motion Control and Sensor Interfaces (Synchro/Resolver/LVDT/RVDT Measurement and Simulation, Encoder/Counter) and Communications Interfaces (Serial RS-232/422/423/485, CANBus, MIL-STD-1553 and ARINC 429/575).

In addition, the 75SBC4 supports the following:

- Up to 4GB DDR3 SDRAM
- Up to 256 MB user flash
- 1 x RS232, 1 x USB, 1 x I<sup>2</sup>C & 2 x Gig-E
- Wind River Linux (4.3) and VxWorks (6.x) BSP
- All I/O data available on Ethernet and/or cPCI
- Two function slots
  - NAI full complement of I/O and communications
  - SATA interface for up to 256GB Flash SSD

“We offer customers more than just an SBC with a minimal selection of PMC functionality,” said Lino Massafra, Vice President of Sales and Marketing. “With added capability that supports a full range of field-proven I/O, communications and memory interface options all on one board, our customers reduce SWaP and overall system costs. Modular mix-and-match I/O and memory with a powerful QorIQ P2041 Quad-Core SBC provides an unprecedented single slot processing and I/O solution.”

Typical applications include high-performance, low-power, space constrained systems requiring available proven COTS I/O, communications and memory configurations without the need for custom circuit card assemblies. Pricing for a standard configuration of the 75SBC4 starts at \$4,986 in quantities of 100+.

***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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Photo Attached



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