For Immediate Release
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North Atlantic Industries Expands Family of Highly Configurable Communications Systems for Rugged I/O Applications

High-density, mix-and-match approach reduces cost, development time and NRE…

Bohemia, NY, April 28, 2015 – North Atlantic Industries (NAI) has expanded its rugged systems product offering in 3U cPCI board form factors. Designed to support a multitude of mil-aero applications that require high-density I/O, communications, Ethernet switching and processing, NAI's family of sensor interface units (SIU) utilize field-proven 3U cPCI or 6U VME boards with configurations ranging from one to five slots. Built on NAI's Custom-On-Standard Architecture™ (COSA™), which offers highly configurable communications systems via a flexible mix-and-match design, the rugged systems deliver off-the-shelf solutions that accelerate deployment of SWaP-optimized systems in demanding air, land and sea applications.

 "With our COSA approach, NAI packs more intelligent I/O onto a board than anyone in the industry, often without the need for an SBC," said Lino Massafra, VP of Sales and Marketing. "Systems integrators are being challenged to develop more complex electronic systems without increasing size, weight, power or cost. We accelerate our customers' time-to-mission by offering more efficient systems, in a smaller footprint, with little or no NRE."

 By employing NAI's scalable COSA architecture, customers can choose from more than 40 intelligent I/O, communication, and Ethernet switch functions, as well as SBC options. Select an enclosure and NAI will package it with the multi-function I/O and communication boards, intelligent function modules, SBC (if necessary), power supplies, and complete software libraries. This process allows new designs to be generated in days rather than months.

These systems are designed to operate reliably in rugged conditions and meet the following military standards: MIL-STD-810G, MIL-STD-461F, MIL-STD-1275 and MIL-STD-704A-F.

NAI's configurable rugged systems product offering now consists of:
- NIU1A – nano-sized unit with an integrated power supply and an intelligent I/O and communication function module
- SIU31 – 1 x 3U cPCI slots for installation of up to 3 intelligent I/O and communication function modules
- SIU33 – 3 x 3U cPCI slots for installation of up to 9 I/O and communication function modules
- SIU35 – 5 x 3U cPCI slots for installation of up to 15 I/O and communication function modules
- SIU6 – 2 x 6U VME slots for installation of up to 12 I/O and communications function modules

For more information about North Atlantic Industries' family of rugged systems, go to

http://www.naii.com/Rugged-Systems/PSC46

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.

NAI - Systems Family

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