

North Atlantic Industries

Accelerate Your Time-to-Mission™

Military & Aerospace Electronics Selects NAI's SIU35 and COSA® Architecture for 2016 Silver Innovator Award

November 2016 - North Atlantic Industries, Inc. (NAI) is pleased to be the recipient of the 2016 Silver Innovators Award. Military & Aerospace Electronics (M&AE) is a leader in the coverage of COTS solutions, embedded systems and the military and aerospace market segments. The M&AE Innovators Awards program was developed: *"to recognize the most innovative solutions in military and aerospace technology products and systems, as determined by a panel of senior third-party expert judges."*

NAI's **SIU35** Sensor Interface Unit is a highly configurable, rugged COTS system suited for military, industrial, and commercial applications that require high-density I/O, communication, Ethernet switching, and processing. The SIU35 has provisions for up to 15 field-proven functions that deliver off-the-shelf, SWaP-optimized COTS solutions.

NAI's **Custom-On-Standard-Architecture™** (COSA®) offers a choice of over 40 intelligent I/O, communications, and Ethernet switch functions, as well as Single Board Computer (SBC) options. Preexisting, fully tested functions can quickly and easily be combined in an unlimited number of ways. The SIU35 has been qualification tested for a wide variety of Environmental and EMI/EMC conditions in accordance with MIL-STD-810 and MIL-STD-461.



Made in the USA
Certified Small Business



Accelerate Your Time-to-Mission™

NAI Offers a Wide Range of Modular COTS Solutions

Rugged Sense and Response Systems



A full range of modular, high-density, low power, **customer configurable** COSA® systems ideally suited for military and aerospace applications. Choose from over **40 intelligent** I/O, communication, measurement or simulation functions that support Data Acquisition, Vehicle Management, Health Monitoring, Fire Control and Targeting, Data Concentrator, or Remote Interface Units.

Open VPX Multifunction I/O (MFIO) and Single Board Computers (SBC)



The 3U **68G5** MFIO and 3U **68ARM1** SBC are modular, VITA 65 compliant boards that support up to three (3) customer configurable I/O functions. The 68G5 is an external host managed MFIO board. The 68ARM1 is an SBC that offers an ARM® Cortex®-A9 Dual-Core, 800 MHz Processor for local application hosting.

Over 40 intelligent I/O, communication, measurement or simulation functions may be selected. PowerPC™ and Intel® SBC boards are also available.

Rugged VPX Power Supplies for Harsh Environments



An extensive offering of VITA 62 compliant power supplies are available in 3U or 6U form factors and offer a wide range of flexibility. Inputs include: +28 VDC, +270 (+135/-135) VDC and 1Ø or 3Ø AC with output power from 400 Watts to 1,000 Watts. See the **VPX55**, **VPX56** and **VPX57** models for more information.

See how NAI Accelerates Your Time-to-Mission™ at www.naii.com

- *Multifunction I/O Boards*
- *Single Board Computers*
- *Benchtop and VXI Instruments*
- *Rugged COTS Systems*
- *Rugged Power Supplies*
- *Motion Control Systems*
- *Servo Motor Drives*