



Embedded Boards • Power Supplies • Instruments

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For Immediate Release

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North Atlantic Industries Introduces Rugged Sensor Interface Unit for Remote Data Acquisition and Distribution

Bohemia NY -- North Atlantic Industries (NAI) has announced the release of the Sensor Interface Unit, [SIU6](#), a rugged, compact, Embedded I/O system for remote data processing, acquisition and distribution for platform monitoring and control system applications. This high functional density, base-plate cooled system features COTS Multifunction I/O Boards with integrated rugged Power Supply. The rugged chassis is designed to operate in harsh environments such as extreme temperature, EMI, shock and vibration. An integrated connector to backplane architecture eliminates the need for custom wiring. Two 10/100/1000BaseT Ethernet ports and up to 300 I/O signals are supported.

Taking advantage of NAI's high density Multifunction I/O and Power Supply products, the [SIU6](#) allows for a wide selection of I/O and communications functions such as A/D, D/A, TTL, RTD, Discrete I/O, Synchro/Resolver-to-Digital and LVDT, Digital-to-Synchro/Resolver and DLV, BC/RT/MT MIL-STD-1553, high speed Sync/Async RS232/422/485, ARINC 429 and CANBus. A Freescale PowerPC or Analog Devices Low Power Blackfin processor module option allows for processing of raw I/O function data. VxWorks 6.x BSP or Analog Devices Tool Kit is supported.

“The SIU6 is the most compact rugged chassis touting optional processing and 300 I/O signals.” says Lino Massafra, V.P. of Sales and Marketing. “Centralized locations for I/O data processing, acquisition and distribution that can be shared over Ethernet, MIL-STD-1553, CANBus, Serial or ARINC429 buses requires less wiring, which reduces EMI/EMC susceptibility and SWaP, increasing system reliability.”

The [SIU6](#) is ideally suited for rugged Military and Aerospace applications, such as engine monitoring, weapons targeting, guidance, navigation and Command & control.

North Atlantic Industries

North Atlantic Industries (NAI) is a leading independent supplier of Embedded I/O Boards, Power Supplies and Motion Simulation and Measurement Instruments for the Military, Aerospace and Homeland Security Industries. NAI provides the highest quality COTS and Custom products in Commercial, Extended Temperature and Rugged versions. Information about NAI and its products can be found at www.naii.com.

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Photo Attached

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