



Embedded Boards • Power Supplies • Instruments

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For Immediate Release

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North Atlantic Industries introduces an isolated, four channel, programmable Counter, Quadrature and SSI Encoder Controller

Bohemia, NY - North Atlantic Industries (NAI) announces the availability of a Counter, Quadrature and SSI Encoder Controller interface module for its wide range of OpenVPX, VME, cPCI and PCI Multifunction boards. Known as the E7, it joins an extensive list of functions that are available from NAI. The E7 provides four (4) independent, fully isolated channels, each programmable as an SSI interface controller, an SSI “Listen Only” mode receiver, an incremental encoder reader, a Quadrature encoder counter or a general purpose counter. The E7 utilizes state-of-the-art galvanic isolation that is superior to alternative opto-coupler devices, therefore eliminating concerns about uncertain current transfer ratios, non-linear transfer functions and temperature/lifetime degradation effects.

“The E7 counter/encoder module integrates positional or timing sensor interfaces for embedded and test sensor systems” said Lino Massafra, VP of Sales and Marketing at NAI. “This new Encoder counter adds additional capability to our already extensive library of I/O functions for our multifunction boards.

[Multifunction Boards](#) eliminate the need for specialized, single function boards by providing an assortment of communication and I/O functions on a single card. This unique board architecture allows the user to mix-and-match a variety of functions to meet their specific requirements.

The multifunction approach offers higher functional density, reduced board count, lower heat dissipation and increased system reliability. Other available functions include A/D, D/A, Discrete I/O, TTL/CMOS, Differential Transceiver, Synchro/Resolver/LVDT/RVDT Simulation and Measurement, ARINC429/575, CANBus, MIL-STD-1553, Synchronous/Asynchronous RS232/422/485, Reference Generator and Resistance Temperature Detectors (RTD).

A Software Support Kit is supplied with all NAI Multifunction Boards for use in multiple OS platforms, such as Windows NT/2000/XP/Vista/7, Linux, VxWorks and other RTOS (LynxOS, Windows CE). Pricing for 100 pieces of the 64C2 VME Board with 4 channels of Encoder/SSI support starts at \$2880. Delivery is 10 to 12 weeks, ARO.

North Atlantic Industries

North Atlantic Industries (NAI) is a leading independent supplier of Embedded I/O Boards, Power Supplies, Motion Simulation and Measurement Instruments for the Military, Aerospace and Industrial Markets. NAI provides the highest quality COTS and modified COTS products to those markets using, Extended Temperature and Rugged designs. Information about NAI and its products can be found at www.naii.com.

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