



Embedded Boards • Power Supplies • Instruments

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For Immediate Release

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Single Slot cPCI (6U), Ethernet-capable, Multi-Function Card Upgraded with Additional Functionality

***ARINC 429/575, RS-232/422/485, D/S Converter, and Reference
Generator functions added to A/D, D/A, S/D, LVDT/RVDT, and I/O***

Bohemia NY -- North Atlantic Industries (NAI) has announced an upgrade to the functionality of its single slot, 6-module, 6U cPCI multi-function card. This universal card eliminates the complexity and size constraints of using multiple, independent, single-function cards. The 78C2 cPCI card can accommodate up to 6 independent modules. ARINC 429/575 (6-channels), RS-232/422/485 (4-channels), D/S Converter (3-channels), and Reference Generator functions have recently been added to its library of available modules. Other available function modules include A/D (10-channels), D/A (10-channels), S/D (4-channels), Discrete I/O (16-channels), TTL I/O (16-channels), Transceiver I/O (11-channels), LVDT/RVDT (4-channels), and RTD (6-channels). The 78C2 incorporates an Ethernet interface that can be used to transfer data to and from the board, without using the backplane bus. This Ethernet port allows the board to be used as a standalone remote sensor interface, without using a separate computer board. Multiple 78C2 boards can be distributed in a system, and networked together using Ethernet for complete data acquisition capability.

The interchangeable multi-function design of the 78C2 provides extensive diagnostics and is available in both commercial temperature range and severe environment, industrial temperature range. For increased flexibility, each of the functions of the 78C2 is highly programmable at the channel level. Continuous background (BIT) testing is performed on all functions and channels. This testing is totally transparent to the user, requires no programming, and doesn't interfere with the normal operation of the card. The 78C2 is ideally suited for military and commercial programs. Its flexible choice of modules increases functional density, and reduces power consumption, size, and cost of the overall system.

The 78C2 is available with operating temperature ranges of -40°C to +85°C and 0°C to +70°C. Conduction cooled versions with wedgelocks are also available. Pricing for 100 pieces starts at \$2350. Delivery is 10 to 12 weeks ARO.

"The 78C2 provides our customers with a flexible, single-slot, multi-function, 6U cPCI card that reduces size, weight, power and cost," said Lino Massafra, VP of Sales and Marketing at NAI. "They particularly like the wide range of commonly used functions that are available."

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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