



Embedded Boards • Power Supplies • Instruments

110 Wilbur Place • Bohemia, NY 11716-2416

Tel: (631) 567-1100 • Fax: (631) 567 1823 • www.naii.com

For Immediate Release

Contact: Lisa Boccone
North Atlantic Industries, Inc.
631-567-1100
lboccone@naii.com

New 3U cPCI/6U VME Layer 2+ Unmanaged, 12-Port, Gigabit Ethernet Switch Module (H2) with Extremely Low Power Consumption

Rugged Switch Module is Highly Configurable and Ideally Suited for SWaP-Constrained Applications

Bohemia NY, September 28, 2011-- North Atlantic Industries (NAI) has announced the availability of a rugged 12-port Gigabit Ethernet Switch Module. The H2 is an extremely low power, high performance Ethernet switch. It supports 16 KB jumbo frames, 802.1P QoS or DiffServ/ToS priority queues, 802.1Q VLAN, Port Aggregation, Spanning Tree, Rapid & Multiple Spanning Tree, NAT, Port Forwarding, DNS, DHCP, and Firewalling. The module can be mounted on a 3U cPCI or 6U VME rugged board. When mounted on a 6U VME board, single board computer and/or additional I/O functions can be added to support system level requirements for processing and sensor interfacing.

The [H2](#) implements standard Ethernet switching functions via Broadcom[®] technology and features:

- 6.6 W (12 x Gig-E ports active) at 85°C
- IPv4 and IPv6 traffic class support
- Automatic learning and aging tags
- True non-blocking Gig-E integrated switch fabric w/4Mb packet buffer memory (for L2 functionality)
- High performance look-up engine with support for up to 8K unicast MAC addresses

“The [H2](#) module switch enables system integrators to link Ethernet-based communications, control systems and sensor data across a broad range of application-ready subsystems,” said Lino Massafra VP Sales and Marketing. “Customers looking forward to the next generation of Unmanned Aircraft Systems (UAS) and other autonomous robotic systems will take advantage of the high channel density and extremely low power features our H2 has to offer.”

In addition, based on NAI’s COTS, multi-function, high-density I/O and processor platforms (i.e. [75D3](#), [64DP3](#), [64E3](#)), multi-board systems can be configured combining the H2 multi-port Gig-E switch capability with application specific processing and I/O.

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

###



6U VME



3U cPCI