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Bell 360 Invictus Selects North Atlantic Industries for New Data Concentrator Unit (DCU)

BOHEMIA, NY -- North Atlantic Industries, Inc. (NAI), a leading supplier of embedded computing solutions and power supplies, announces that Bell Textron Inc., a Textron Inc. company, selected SIU36 as their new Data Concentrator Unit (DCU) for the Bell 360 Invictus as part of the U.S. Army Future Attack Reconnaissance Aircraft (FARA) competition. The SIU36 is a Modular Open System Approach (MOSA) based sensor interface unit, supporting DDC-I's Deos FACE™ Conformant RTOS, 3U OpenVPX T2080 QorIQ PowerPC processing, I/O, communications and power supply.

"The COTS SIU36 integrates NAI's Configurable Open System Architecture™ (COSA®) that maximizes modularity, flexibility, adaptability and I/O density while minimizing SWaP-C with no NRE," states Lino Massafra, VP of Sales and Marketing. "The SIU36 is ideally suited to meet the demanding requirements of the DCU for Bell's 360 Invictus to bring a holistic view of the aircraft systems to collect and analyze vehicle data to optimize maintenance and servicing to reduce sustainment costs."

The DCU supports hundreds of digital and analog I/O, including programmable Discrete, A/D, D/A, Strain Gauge, Thermocouple, RTD, Variable Reluctance/Monopole, Chip-detect and LVDT with AC Reference measurement signals along with several communications interfaces including MIL-STD-1553, RS-422, ARINC-429 and Ethernet. The DCU manages, monitors and controls signals to and from the Vehicle Management System (VMS) and Heath Usage Monitoring System (HUMS).

The Bell 360 Invictus relies on proven systems and innovative processes to mitigate technical risk and improve lethality at an affordable cost for the FARA program competition that is part of the US Army's Future Vertical Lift (FVL) program. The Bell 360 Invictus was one of two prototypes selected by the U.S. Army to complete a detailed design, build and test for a government flight test in 2023.

About North Atlantic Industries

NAI is a leading independent supplier of embedded computing, Input/Output, communications, measurement, simulation, power and systems products for commercial, industrial and military applications built on a Configurable Open Systems Architecture™ (COSA®). COSA offers the greatest modularity, flexibility, adaptability and configurability in the industry that accelerates our customers' time-to-mission. COSA supports a Modular Open Systems Approach (MOSA) that delivers the best of both worlds: custom solutions from COTS components with No NRE. For over 50 years, companies like Lockheed Martin, Boeing, Northrop Grumman and Raytheon have leveraged NAI's capabilities to meet the demanding requirements of a wide range of processing, I/O and communication-centric applications, and do so with uncompromising quality, efficiency and responsiveness. Information about NAI and its products can be found at www.naii.com.

MOSA Aligned SIU36 Data Concentrator Unit

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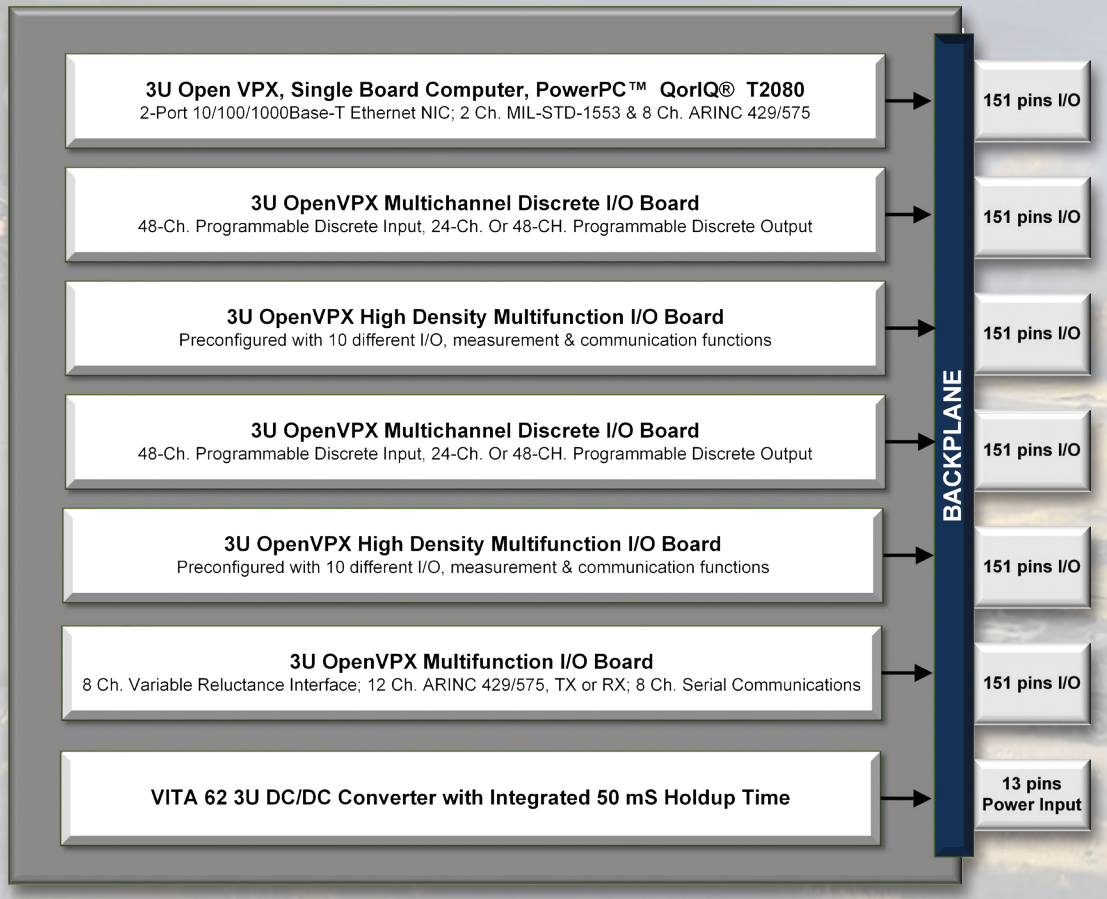
Features

- 6x 3U OpenVPX Card Slots
- Reduced SWaP Footprint: 9” x 5.0” x 9.5”, < 21.3 lbs.
- Est. Typ. Power Dissipation: < 120 W
- VITA 62 3U PSU with Integrated 50 mS Holdup Time
- Ethernet: 4 x 10/100/1000Base-T
- Modular Upgrade to Redundant Time Sensitive Network (TSN) Ethernet

Pre-Configured Universal Data Concentrator



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