

UEI's RUGGED SIU

SENSOR INTERFACE UNIT

DATA ACQUISITION, TEST, AND CONTROL
FOR EXTREME ENVIRONMENTS



The UEI's Sensor Interface Unit (SIU), engineered to meet the toughest specifications for military and aerospace applications. Designed as a Commercial Off-the-Shelf (COTS) solution, the customizable SIU is a high-performance box that delivers robust connectivity and power to meet the needs of your critical systems.



High-Performance I/O: 16 channels of 24-bit analog input, 12 channels of RTD, and 48 channels of high-voltage digital input.



Flexibility: A variety of different boards can be used including MIL-STD-1553, VDT, Synchro/Resolver, and much more. Over 90+ boards available.



Reliable Power: Provides excitation for sensors at 15V and 28V.



Rugged Design: IP66-rated, withstanding 5g vibration, 100g shock, and extreme conditions with MIL-DTL-26482 connectors.



Customizable: Can be customized with other panels to your existing cabling.



Enhanced Communication: Equipped with a 4-channel RS-232/485 serial interface and two redundant ethernet ports for reliable data transfer.



Obsolescence Mitigation: Guaranteed product availability for 10 years and up to a 10 year warranty.



Tested for Confidence: MIL STD-810, -461 tested to ensure it will operate in the most harsh environments. 100% functionally tested before shipping.

IDEAL FOR A WIDE VARIETY OF MILITARY & AEROSPACE APPLICATIONS

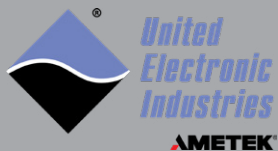
Designed for critical data and control subsystems, like the U.S. Navy's LCAC Service Life Extension Program (SLEP), the UEI SIU is ready for harsh conditions, providing vital sensor integration and data aggregation. Land, sea, air, and space - deploy where you need to for mission success.

WHY CHOOSE UEI?

Tailored to Your Needs: Customizable, rugged solutions for demanding applications.

Uncompromising Reliability: Trusted by major defense contractors for mission-critical operations.

First-Class Support: Our knowledgeable and responsive support team is ready to assist you with your application.



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