** FOR IMMEDIATE RELEASE **

ACCES I/O Launches E4-DAS™ Line of Rugged, Conduction Cooled, Integrated PC/104 Embedded Data Acquisition Systems

San Diego, CA—January 25, 2005—ACCES I/O Products, Inc. introduces its Model E4-DAS, which takes its name from being an *E*asy to utilize, *E*thernet enabled, *E*mbedded and *E*nvironmentally adaptable PC/104-based *D*ata *A*cquisition *S*ystem. The latest line of systems from ACCES, the E4-DAS is designed for rugged embedded applications requiring superior performance and a high degree of protection from damaging vibration and shock environments commonly encountered in military and defense, avionics, communications, process control, automation and other real-world applications. To be showcased at the Embedded Systems Conference in San Francisco, March 8-10, 2005, the completely integrated E4-DAS is packaged in a lightweight aluminum enclosure with a railed card-cage subassembly for easy serviceability. Internal elastomer inserts are also provided for vibration and shock mitigation. The system's fanless design is fully conduction cooled, enabling the box itself to dissipate the heat by heat-sinking the CPU and power supply on each end of the stack. The E4-DAS can accommodate stacks of two to six PC/104 boards (including the CPU and power supply), allowing the unit to incorporate a wide range of analog and digital I/O, serial communications, relay and TTL output, wireless, Ethernet and other functions.

Housed in a lightweight, attractive, Chem-Film finished aluminum enclosure, the standard system configuration includes a low power 133 MHz Pentium PC/104 CPU and peripheral interfaces such as VGA, keyboard and mouse, 10/100BaseT Ethernet, and quad RS-232 ports. A CompactFlash socket is available on the CPU board for easy upgrade of embedded programming. An internal single (+5 V), or optional triple (+5, ±12 V) output DC/DC power supply is used to accept system power sources of 12, 24, or 48 V. I/O is accessed via connector cutouts on the unit's end plates.

Advanced and custom systems include extensive CPU and peripheral capabilities and the integration of a generous selection of our (or customer-specified) data acquisition, I/O, or special-function PC/104 boards. Custom development includes minor variations of standard boards and systems to completely custom interfaces and configurations. ACCES has the in-house engineering resources to design, develop, supply and support custom embedded systems at the board, software and system level.

Standard E4-DAS system features include:

- Easy access and serviceability via a removable railed card cage subassembly
- Ethernet enabled data transfers for simplified cabling
- Embedded, high-performance fanless operation and conduction cooling
- Environmental enclosure ideal for use in rugged and harsh applications
- PC/104 processors up to 1 GHz can be integrated, even at extended temperatures
- Lightweight, attractive, Chem-Film finished aluminum enclosure
- Accepts from two to six PC/104 or PC/104-Plus boards
- Scalable and flexible I/O interfacing

The system ships with pre-loaded board software packages containing utility and tools software along with a variety of drivers. Source code and examples in "C" are provided for Linux and DOS, and in a variety of languages for use in Windows versions including XP and beyond. TCP/IP/ Internet data acquisition is available via onboard web server software optionally integrated with the customer's application. Any operating system and customer's applications can be pre-loaded for any production volume.

ACCES I/O Products, Inc. supplies an extensive range of analog, digital, serial communication, and isolated I/O boards and solutions. ACCES also offers complete systems, integration services, and enclosures with a quick turn-around on custom projects including software. Our products are designed for use with PC/104, PCI, Low Profile PCI, EBX, EPIC, USB, Ethernet, and ISA buses as well as distributed and wireless I/O. All COTS hardware comes with a 30-day, no-risk return policy and a three-year warranty. The E4-DAS represents another example of ACCES' systems integration and design capabilities. For further information, visit the company's web site at www.accesio.com.
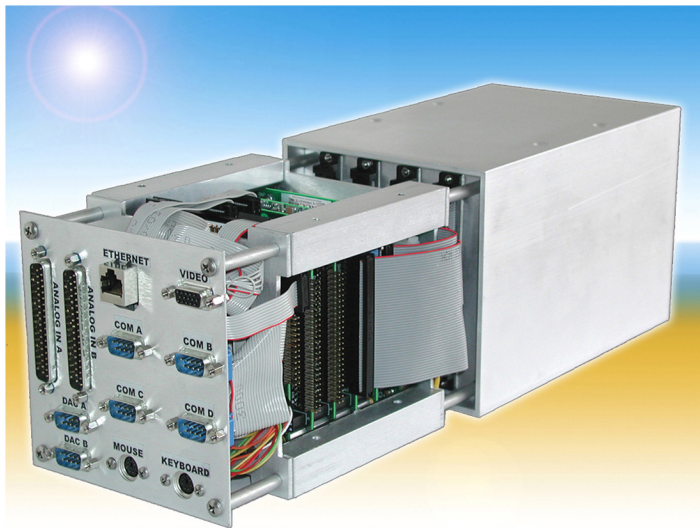
Price: $1,195.00—basic system; advanced / OEM / volume pricing available, consult factory
Availability: Now
Delivery: Stock to three weeks ARO

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