X-ES

Press Release

Extreme Engineering Solutions (X-ES) Announces XPand3200: ½ ATR Compliant, Conduction-Cooled System Targeting Avionics, UAVs, AUVs, and Vetronics Requirements

Middleton, WI –April 20, 2009 – Extreme Engineering Solutions (X-ES) introduces XPand3200, a sub-½ ATR, conduction-cooled system solution targeting dual-core Intel and Freescale CPU cards plus optional 32 – 64 GB of removable "shirt pocket" storage. This fully ruggedized system redefines the limits of Size, Weight and Power (SWaP) in today's avionics and vetronics environments and supports VPX and/or cPCI architectures. Additionally, the XPand3200 can be configured to meet custom I/O requirements with various conduction-cooled PMC / XMC or 3rd party modules.

Measuring a mere 5.62" (H) x 4.88" (W) x 8.75" (L), XPand3200 can be populated with high-performance, low-power 3U VPX or cPCI X-ES single-board computers, such as:

- XPedite7170 targeting Intel® Core™2 Duo (SL9380) processor
- XPedite5370 hosting Freescale's dual-core MPC8572E PowerQUICC® III processor
- XPedite5170 supporting Freescale's dual-core MPC8640D (with AltiVec) processor

"Customers have told us 'XPand3200 is the highest performance ½ ATR system available today'," states Bret Farnum, VP of Sales. "Adding power supply capable of supporting up to 110ms of hold-up time, plus an array of CPU, FPGA, and I/O options, makes XPand3200 an easy 'design-in' for new programs requiring a MIL-STD-810 system solution."

XPand3200 supports Gigabit Ethernet, graphics, RS-232/RS-422/RS-485, MIL-STD-1553, MIL-STD-188-114A, ARINC 429, discrete I/O, as well as custom conduction-cooled PMC/XMC I/O through the back-panel D38999 circular connectors. A front-panel USB port and removable SATA solid-state memory module are also available.

The XPand3200 has been designed with the flexibility to accommodate unique I/O requirements with standards based products. Please contact X-ES to discuss a solution that will meet and exceed your processing, I/O and power requirements.

About Extreme Engineering Solutions, Inc.

Extreme Engineering Solutions, Inc. (X-ES) designs and builds systems, single-board computers and I/O products within the embedded computer industry. X-ES offers cutting-edge performance and flexibility in design plus an unparalleled level of customer support and service. For further information on X-ES products or services, please visit our website: www.xes-inc.com or call (608) 833-1155.

Data Sheet: http://xes-inc.com/Products/XPand3200/XPand3200.html

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