# Press Release

***For immediate release***

*For further information:*
*Dave Barker, Marketing Director*
*(281) 644-0248*
dbarker@xes-inc.com

## X-ES Introduces First in New Product Line Featuring 2nd Generation Intel® Core™ i7 Processor

**Middleton, WI – January 5, 2011** – Extreme Engineering Solutions, Inc. (X-ES) introduces the XPedite7470, a conduction- or air-cooled 3U VPX Single Board Computer (SBC). X-ES's first of six standard form factor products based on the 2nd generation Intel® Core™ i7 processor, the XPedite7470 utilizes the processor's quad-core technology operating at 2.1 GHz to deliver enhanced performance and efficiency, making it an excellent COTS product for deployed military applications.

For floating-point intensive applications such as radar, image processing, and signals intelligence, XPedite7470 customers will benefit from the performance boost provided by the Intel® Advanced Vector Extensions (Intel® AVX) incorporated into the 2nd generation Intel® Core™ i7 processor. X-ES has teamed with RunTime Computing Solutions® to support applications that can take advantage of the SIMD architecture of Intel AVX. VSI/Pro®, the premier math and signal processing library available from RunTime Computing, will be supported on the XPedite7470 and all X-ES products based on the 2nd generation Intel Core i7 processor.

Jennifer Skjellum, President of RunTime Computing Solutions, is convinced that X-ES's customers will be impressed with the performance of their applications that utilize the Intel AVX capabilities through VSI/Pro®'s math libraries. Skjellum stated, "In order to deliver the performance levels required in their rugged, deployed systems, military customers need the type of cutting-edge hardware solutions that X-ES provides."

The XPedite7470 initially will be based on the Intel Core i7-2715QE processor and Intel® QM67 Express chipset. Other XPedite7470 processor options will be available later in 1Q11. The XPedite7470 features include:

- Quad-core Intel Core i7-2715QE processor with Intel® Hyper-Threading Technology
- Up to 8 GB of DDR3-1333 ECC SDRAM in two channels
- 32 MB of boot flash and up to 16 GB of user flash
- An XMC/PrPMC site
- Two x4 Gen2 PCI Express VPX backplane interconnects
- Two optional 10/100/1000BASE-T or 1000BASE-BX Ethernet ports
- Two optional USB 2.0 high-speed ports
- Two optional SATA 3.0 or 6.0 Gb/s ports
- Two DVI graphics ports

"Intel has made a strong commitment to support the needs of the embedded computing customers," states Ben Klam, VP of Engineering at X-ES. "Our customers are always looking for more performance, but they have to make tradeoffs between performance and Size, Weight, and Power (SWaP). Because each evolution of the Intel® Core™ processor family provides higher performance at lower MIPS/watt and a higher level of functionality and device integration, our customers can easily utilize the increased performance."

“Developers with signal-processing applications will see profound performance increases by utilizing the Intel® Advanced Vector Extensions capability of the 2nd generation Intel Core i7 processor,” said Matt Langman, director of product marketing, Intel Embedded Computing Division. “The complete portfolio of 2nd generation Intel® Core™ processors includes integrated features such as the processor graphics and memory controllers along with a more efficient microarchitecture that improves the performance reach for many of the most demanding embedded applications.”

Initial deliveries of the XPedite7470 are scheduled for March 2011. In addition to 3U VPX, X-ES products based on the 2nd generation Intel Core i7 processor will be available in other form factors including 6U VPX, 3U and 6U CompactPCI, VME, and XMC. Announcements for these will follow throughout the year.

**About X-ES —** Extreme Engineering Solutions, Inc. (X-ES) designs and builds chassis, single-board computers, I/O, power, backplane, and system-level 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 at www.xes-inc.com, or call (608) 833-1155.

Data Sheet: http://www.xes-inc.com/assets/products/files/XPedite7470-DS.pdf
Press Photo: http://www.xes-inc.com/admin/main/photos/view/275/