



## Press Release

*For Immediate Release*

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### **Extreme Engineering Solutions, Inc. (X-ES) Debuts Seven Embedded Products Based on the Latest Intel® Core™ i7 Processor**

**Middleton, WI - January 7th, 2009** - Extreme Engineering Solutions, Inc. (X-ES) announces the availability of seven embedded computing products based on the new Intel® Core™ i7 processor. X-ES is committed to supporting the Intel Core i7 embedded processor across Extreme Engineering's entire line of form factors with support for the Intel Core i7-610E, i7-620LE, and i7-620UE processors. All products from X-ES based on the Intel Core i7 embedded processor are available in commercial, air-cooled to rugged, conduction-cooled versions suitable for a wide variety of commercial, industrial and military applications.

The Intel Core i7 processor represents the next step in faster, multi-core technology that dynamically maximizes performance to meet workload demands. Intel's fundamental architectural change implemented in the Intel Core i7 processor represents a significant leap forward in computational performance. By leveraging a 32-nm manufacturing process, an impressive performance-per-watt ratio is achieved. In addition, integrated DDR3 ECC dual-channel memory and high-performance graphics controllers allow the processor to break the bandwidth limitations of past system architectures. X-ES has coupled this revolutionary processor technology with the Intel® QM57 Express chipset – a low-power interface controller. This power-efficient device offers integrated PCI Express, USB, SATA 3.0 Gb/s, and graphics interfaces. The Intel Core i7 processor coupled with the Intel QM57 Express chipset provides high performance within an embedded power budget.

Products shipping today:

- [XPedite7301](#) – XMC
- [XPedite7370](#) – 3U VPX
- [XCalibur4341](#) – 6U VPX
- [XCalibur4331](#) – VME

Products available in February and March:

- XPedite7330 – 3U CompactPCI
- XCalibur4301 – 6U CompactPCI

- [XPedite7300](#) - PrPMC

"The Intel Core i7 processor represents a breakthrough in embedded performance per watt," states Ben Klam, VP of Engineering, X-ES. "Because of the processing density that can be achieved, this processor will have a significant impact on how embedded systems are designed by allowing systems to be packaged into smaller spaces or allowing more to be done within the same space."

"It's exciting to see Extreme Engineering harness the performance capabilities of the new Intel processors to provide such a wide variety of board form factors for the embedded computing community," said Ryan Parker, director of marketing, Intel Embedded and Communications Division. "The new Intel Core i7 processor and Intel QM57 Express chipset deliver unprecedented computing capabilities, integration and intelligence."

Representative of the functionality provided by the Intel Core i7 processor-based product line, the [XPedite7370](#) 3U VPX board features:

- Intel® Core™ i7 Embedded Processor at 2.53/2.00/1.06 GHz
- Ruggedized Enhanced Design Implementation (REDI)
- 8 GB DDR3-1066 ECC SDRAM in two channels
- 32 GB NAND Flash Drive
- Dual x4 PCI Express VPX Fabric Support
- Single XMC/PrPMC/PMC Support
- Dual RS-232/RS-422/RS-422 Serial
- SerDes/Copper Gigabit Ethernet
- DVI, USB, SATA/eSATA 3.0 Gb/s

Please contact your X-ES sales representative today for additional information on any of the Intel Core i7 processor-based products. To support rapid development, X-ES provides development systems based on the [XPand1000](#), [XPand1200](#), and [XPand1300](#) chassis.

**Pricing and Availability:** [XPedite7301](#), [XPedite7370](#), [XCalibur4331](#), and [XCalibur4341](#) are available now; pricing varies based on form factor, processor speed, memory configuration and ruggedization level with volume discounts available.

### **[About Extreme Engineering Solutions, Inc.](#)**

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: [www.xes-inc.com](http://www.xes-inc.com) or call (608) 833-1155.

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