



Press Release

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X-ES Introduces 6U CompactPCI SBC Featuring 2nd Generation Intel® Core™ i7 Processor

Middleton, WI – January 18, 2012 – Extreme Engineering Solutions, Inc. (X-ES) introduces the [XCalibur4401](#), a 6U CompactPCI Single Board Computer (SBC) based on the 2nd generation Intel® Core™ i7 processor (formerly codenamed “Sandy Bridge”). Available in either conduction- or air-cooled versions, the [XCalibur4401](#) utilizes the processor's dual- or quad-core technology operating at up to 2.5 GHz, making it an excellent COTS solution for military, communications, and industrial applications.

Customers with floating-point intensive applications, such as radar, image processing, or signal processing, will benefit from the performance boost provided by the Intel Advanced Vector Extensions (Intel® AVX) incorporated into the 2nd generation Intel® Core™ i7 processor.

The [XCalibur4401](#) features include:

- Conduction- or air-cooled 6U CompactPCI module
- Dual- or quad-core 2nd generation Intel Core i7 processors with Intel® Hyper-Threading Technology and Intel® QM67 Express chipset
- Default processor: Intel Dual Core i7-2655LE processor, 2.2 GHz base frequency, 4 MB cache
- Alternate processors configurations:
 - Intel Quad Core i7-2715QE: 2.1 GHz, 6 MB Cache
 - Intel Dual Core i5-2515E: 2.5 GHz, 3 MB Cache
 - Intel Dual Core i7-2610UE: 1.5 GHz, 4 MB Cache
 - Intel Quad and Dual Core compatible Ivy Bridge processors
- Up to 16 GB of DDR3-1333 ECC SDRAM in two channels
- Up to 128 GB of user flash and 32 MB of boot flash
- Front- and rear-panel Gigabit Ethernet ports
- Rear-panel USB 2.0 high-speed ports
- Rear-panel SATA 3.0 Gb/s ports
- Front- and rear-panel graphics ports
- Two PrPMC/XMC sites
- Complies with PICMG 2.0, 2.1, 2.3, 2.9, and 2.16
- In-house X-ES operating system support includes:
 - Green Hills INTEGRITY Board Support Package (BSP)
 - Wind River VxWorks BSP
 - QNX Neutrino BSP
 - Linux BSP
 - Windows drivers

About X-ES — Extreme Engineering Solutions, Inc. (X-ES) designs and builds chassis, singleboard 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 or call (608) 833-1155.

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