



Press Release

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X-ES Introduces 6U CompactPCI SBC Targeting Freescale Eight-Core P4080 Processor

Middleton, WI – June 19, 2012 – Extreme Engineering Solutions, Inc. (X-ES) introduces the [XCalibur1600](#), a 6U CompactPCI Single Board Computer (SBC) supporting Freescale QorIQ P4080 processor. Available in either conduction- or air-cooled versions, the [XCalibur1600](#) utilizes the eight Power Architecture e500mc cores running at up to 1.5 GHz, making it an ideal solution for high-end military, communications, and industrial applications.

The [XCalibur1600](#) feature-set include:

- Conduction- or air-cooled 6U CompactPCI SBC
- Supports Freescale QorIQ P3, P4, and P5 processors
- Stock processor:
 - Eight-core Freescale P4080 processor with eight PowerPC e500mc cores at up to 1.5 GHz
- Alternate processors configurations:
 - P4040 processor with four PowerPC e500mc cores at up to 1.5 GHz
 - P3041 processor with four PowerPC e500mc cores at up to 1.5 GHz
 - P5010 processor with one 64-bit PowerPC e5500 core at up to 2 GHz
 - P5020 processor with two 64-bit PowerPC e5500 cores at up to 2 GHz
- Up to 16 GB of DDR3-1333 ECC SDRAM in two channels
- Up to 512 MB of NOR flash (with redundancy)
- Up to 64 GB of CPU NAND flash
- Up to 128 GB of SATA NAND flash (optional)
- Three Gigabit Ethernet ports
- x4 PCI Express to XMC sites
- Up to four SATA 3.0 Gb/s ports
- Two USB 2.0 ports
- Two RS-232/422/485 serial ports
- XAUI to XMC site
- Two PrPMC/XMC interfaces
- In-house X-ES operating system support includes:
 - Green Hills INTEGRITY Board Support Package (BSP)
 - Wind River VxWorks BSP
 - Linux BSP

The [XCalibur1600](#) joins the X-ES Freescale P4080 line of products which also includes the [XPedite5430](#), a 3U CompactPCI module, the [XPedite5470](#), a 3U VPX SBC, and the [XPedite5400](#) and the [XPedite5401](#) PMC/XMC modules.

About X-ES — Extreme Engineering Solutions, Inc. (X-ES), a 100% U.S.A. based company, designs and builds single-board computers, I/O boards, power supplies, backplanes, chassis, and system-level solutions for embedded computing customers. 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://www.xes-inc.com/assets/products/files/XCalibur1600-DS.pdf>

Press Photo: http://xes-inc.com/assets/photos/content/102831_XCalibur1600.jpg

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