



Press Release

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X-ES Introduces 6U VPX SBC Supporting Freescale Eight-Core P4080 and Five Other QorIQ™ Processors

Middleton, WI – November 28, 2012 – Extreme Engineering Solutions, Inc. (X-ES) introduces the [XCalibur1641](#), a 6U VPX Single Board Computer (SBC) supporting Freescale QorIQ™ P3041, P4040, P4080, P5010, P5020, and P5040 processors. With support for a wide range of QorIQ processors, the XCalibur1641 is an ideal solution for a variety of conduction- and air-cooled, high-end, military applications.

The [XCalibur1641](#) is an OpenVPX-compliant, conduction- or air-cooled, 6U VPX SBC. The stock processor is a Freescale P4080 with eight PowerPC e500mc cores at up to 1.5 GHz. The XCalibur1641 is also available with a quad-core P3041, quad-core P4040, single-core P5010, dual-core P5020, or quad-core P5040 processor. It supports up to 16 GB of DDR3-1333 ECC SDRAM in two channels, up to 512 MB of boot flash (with redundancy), up to 64 GB of user flash, and up to 256 GB of optional SATA user flash.

Standard I/O for the XCalibur1641 includes four Gigabit Ethernet ports, up to five SATA 3.0 Gb/s ports, two USB 2.0 ports, and two RS-232/422/485 serial ports. Application-specific I/O is added easily via dual PMC/XMC sites with a PCI Express interface (x8) to each XMC site. Supported Board Support Packages (BSPs) are available for Green Hills INTEGRITY and INTEGRITY-178B tuMP, Wind River VxWorks, and Linux.

The [XCalibur1641](#) joins the X-ES Freescale P4080 product line, which includes the [XCalibur1600](#) 6U CompactPCI module, [XPedite5430](#) 3U CompactPCI module, and [XPedite5470](#) 3U VPX SBC, as well as the [XPedite5400](#) and [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/XCalibur1641-DS.pdf>

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