



Press Release

For immediate release

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X-ES Rounds Out Freescale QorIQ P2020 Product Line with Three 6U Single-Board Computers

Middleton, WI – July 12, 2011 – Extreme Engineering Solutions, Inc. (X-ES) announces the availability of three 6U single-board computers (SBCs) based on the Freescale QorIQ P2020 processor: the [XCalibur1700](#) 6U CompactPCI SBC, the [XCalibur1730](#) VME SBC, and the [XCalibur1740](#) 6U VPX SBC.

These three new 6U SBCs complete X-ES's QorIQ P2020 processor-based product line, which now includes 3U CompactPCI, 6U CompactPCI, 3U VPX, 6U VPX, VME, XMC, and PMC. X-ES offers all P2020-based products in both air-cooled and conduction-cooled configurations, supporting a wide variety of commercial, industrial, and military applications,

The [XCalibur1700](#), [1730](#), and [1740](#) all feature:

- Freescale QorIQ P2020 processor with two 1.2-GHz PowerPC e500 cores
- Up to 8 GB of DDR3-800 ECC SDRAM
- Up to 16 GB of user flash and 256 MB of boot flash
- Two XMC/PrPMC sites
- Three Gigabit Ethernet ports
- One SATA 3 Gb/s port
- Two serial ports
- One USB port
- Operating system Board Support Packages (BSPs):
 - Green Hills INTEGRITY™
 - Wind River VxWorks™
 - Linux

“All of our P2020-based products support pin-compatible processors in the QorIQ P1 and P2 families – the P1011, P1020, 2010, and P2020” states Aaron Lindner, Engineering Manager for X-ES. “While this may not be as important for the 6U applications that typically are not as power-conscious, for XMC, PMC, 3U VPX, and 3U cPCI applications, this enables our customers to choose the CPU performance/power that fits their application.”

“X-ES is providing software compatibility across many of our QorIQ processors,” states Glenn Beck, Aerospace and Defense Segment Marketing Manager at Freescale Semiconductor. “X-ES has taken advantage of the pin compatibility of QorIQ to provide customers a broad spectrum of price, performance and power products.” By the third quarter of this year, X-ES plans to support all five current generation QorIQ processor platforms on the seven form factors X-ES supports.”

To satisfy the widest range of applications, from telecommunications to military applications with MIL-STD 810F requirements, all of X-ES's P2020 products are available in air-cooled,

commercial (0 to 55 °C) to rugged, conduction-cooled (-40 to +85 °C) versions with appropriate shock and vibration testing.

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: www.xes-inc.com or call (608) 833-1155.

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