



Press Release

For immediate release

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XPedite5570: Extreme Engineering Solutions' First 3U VPX Module with Freescale Dual-Core QorIQ™ P2020 Processor

Middleton, WI – September 22, 2010 – Extreme Engineering Solutions (X-ES) announces the immediate availability of the [XPedite5570](#), an air- or conduction-cooled 3U VPX single-board computer (SBC), based on Freescale Semiconductor's dual-core QorIQ™ P2020 processor. The [XPedite5570](#) provides a low-power, high-performance SBC for Size, Weight, and Power (SWaP) constrained military applications. Consuming less than 20 watts, the XPedite5570 can host nearly any high-performance, FPGA-based, A/D or camera-interfaced XMC module for UAV surveillance applications.

The [XPedite5570](#) features include:

- Freescale QorIQ P2020 processor with two 1.2-GHz Power Architecture® e500 cores
- Up to 4 GB of DDR3-800 ECC SDRAM
- Up to 16 GB of NAND flash and 256 MB of redundant NOR flash
- Two x4 PCI Express VPX data-plane links to the backplane
- Two 1000BASE-X Gigabit Ethernet VPX control-plane links to the backplane
- Two optional 1000BASE-T Gigabit Ethernet links to the backplane
- One XMC/PrPMC site
- Two serial ports
- One USB port
- Operating system support:
 - Green Hills INTEGRITY™ Board Support Package (BSP)
 - Wind River VxWorks™ BSP
 - Linux BSP

“Extreme Engineering Solutions has shown a strong commitment to our QorIQ products with P2020- and P4080-based XMC, CompactPCI, and VPX boards with more announcements expected from X-ES in the near future,” stated Glenn Beck, Aerospace and Defense Segment Marketing Manager at Freescale Semiconductor. “When a partner like X-ES supports the QorIQ design-in process by making COTS products available to the market so quickly, our joint customers are the real winners.”

“The dual-core performance of the P2020 processor, coupled with its low power consumption, make it a great fit for SWaP-constrained applications, such as UAV video-, laser-, and IR-based reconnaissance,” said Aaron Lindner, Engineering Manager for X-ES. “Being able to provide a P2020-based 3U VPX SBC with a hosted XMC that dissipates only 25 to 35 watts enables our customers to build very small, functionally-dense systems.”

All of X-ES's P2020 products, including the [XPedite5570](#), are engineered to scale from air-cooled commercial (0 to 55°C) to conduction-cooled rugged (-40 to +85°C) specifications with appropriate shock and vibration testing to satisfy military applications with MIL-STD 810F/G requirements.

The [XPedite5570](#) pricing varies depending on memory configuration and ruggedization level. Volume discounts apply based on final configuration and yearly commitments.

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 or call (608) 833-1155.

Data Sheet: <http://www.xes-inc.com/assets/products/files/XPedite5570-DS.pdf>

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