



Press Release

For immediate release

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Extreme Engineering Solutions Introduces Industry-First VPX Single-Board Computer Based on Dual-Core MPC8572E Processor

VITA 46 3U Card Targets Freescale PowerQUICC III MPC8572E: Offers Low-Power High-Performance Computing Platform

Middleton, WI – July 21, 2008 – Extreme Engineering Solutions (X-ES) introduces the XPedite5370, a new VITA 46 3U single-board computer based on Freescale Semiconductor's MPC8572E PowerQUICC® III processor. In addition to the MPC8572E dual-core processor, the XPedite5370 provides a PMC/XMC site along with I/O interconnect supporting PCI Express, Serial Rapid I/O, and Gigabit Ethernet. The XPedite5370 is available in convection- or conduction-cooled configurations and is fully VPX-REDI (VITA 48) compliant.

Operating two e500 cores based on Power Architecture® technology up to 1.5 GHz, the XPedite5370 supports two separate DDR2-800 ECC SDRAM channels with up to 2 GB per channel, plus up to 4 GB of NAND flash and 256 MB of redundant NOR flash. High-bandwidth backplane fabric options include support for PCI Express or Serial RapidIO Fat Pipe P1 interconnect, as well as four SERDES Gigabit Ethernet Thin Pipe P1 fabric interconnects. The XPedite5370 also supports dual Gigabit Ethernet, GPIO, I²C, PMC I/O, XMC I/O, and up to two RS-232/RS-422/RS-485 serial ports through the P2 connector. A Wind River VxWorks Board Support Package (BSP), QNX Neutrino BSP, Green Hills INTEGRITY BSP, and Linux 2.6 LSP are available.

“Freescale’s advanced MPC8572E dual-core processor enables us to expand our 3U VPX product offering to give our customers the latest technology in a low-power/high-performance form factor. We pride ourselves in being among the first to make Freescale’s dual-core MPC8572E device available in a Commercial-Off-The-Shelf (COTS) product,” stated X-ES CEO, Rob Scidmore.

“System designers targeting ruggedized, bandwidth-intensive applications can now leverage the outstanding performance and protection of Extreme’s XPedite5370,” said Richard Schnur,

marketing manager with Freescale's Networking Systems Division. "By providing the dual-core MPC8572E processor in a small form-factor COTS product, X-ES is helping designers shorten design cycle times while enhancing the performance of end devices with highly integrated embedded solutions."

The new XPedite5370 is available now for small quantities and with delivery times of six to eight weeks for production quantities. Prices for the XPedite5370 start at less than \$8,000 with volume discounts available.

About Extreme Engineering Solutions, Inc.

Extreme Engineering Solutions (X-ES, Inc.) designs and builds single-board computers and I/O 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/Products/XPedite5370/Datasheet/XPedite5370ds.pdf>

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