

Extreme Engineering Introduces the XPedite2000 PMC Security Module

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Press Release

For Immediate Release

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Extreme Engineering Introduces Worlds Fastest PMC Security Module

Madison, WI, January 19, 2004 – Extreme Engineering, a leading design services and embedded products company announced the XPedite2000 network security accelerator board today, powered by the award winning Cavium Networks NITROX Security Macro Processor. XPedite2000 is a PMC (PCI mezzanine card) form factor card that can process up to 2Gbps of IPsec VPN or SSL bulk encryption with up to 20,000 RSA OPS (operations per second) to accelerate VPN tunnel or SSL session setups. XPedite2000 is used by networking OEMs and enterprise end-users building IPsec VPNs, SSL VPNs, Webservers, Switches, Routers, Servers and Wireless Switches

“We’re excited about XPedite2000 because it brings Cavium’s highest performance security device into the embedded world of PMC’s,” states Bret Farnum, VP Sales of Extreme Engineering. “Several early adopters have increased their system performance by an order of magnitude compared to previous solutions. The PCI-X interface yields a big performance boost when coupled with baseboards like our XCalibur series of cPCI blades,” adds Farnum.

XPedite2000 is the first PrPMC security accelerator module with a 64bit / 133MHz PCI-X interface, accelerating 3DES, AES, SHA-1, MD5, RSA, DH cryptographic algorithms and IPsec, SSL, CCMP protocols used in VPN, Web servers and Wireless gateway applications. XPedite2000 measures a standard 74mm x 149mm, can be hosted on cPCI, VME or existing motherboards. Optional SO-DIMM DRAM can be added to the XPedite2000 to store encryption keys on the accelerator board, increasing the performance of the system.

The data sheet is located at: <http://www.xes-inc.com/Products/XPedite/XPedite2000/XPedite2000.html>.

“We’re excited to be working with X-ES on XPedite2000,” said Jeff Twombly, VP Sales at Cavium. “Bringing the performance of the CN1230 to a PMC form factor, X-ES fills an industry need for high-performance security accelerators from winning design service companies like X-ES.”

Broad Range of Driver and Application Stack Support

XPedite2000 is software compatible with all Cavium standard PCI, PCI-X accelerator boards. Cavium’s software support includes a rich, full-featured set of software drivers, utilities, a common API set and reference application software. Microsoft Windows drivers, certified through Windows hardware quality labs, are also available for easy installation and acceleration of Microsoft Internet Information Server (IIS) performance. Linux and FreeBSD drivers are provided to accelerate Apache Web server performance. Driver software code is also provided in an operating-system independent format to easily port to other operating systems. RSA’s BSAFE SSL-C toolkit software has been optimized for Cavium’s SSL Accelerator boards and is available from RSA security

Product Pricing and Availability

XPedite2000 is part of X-ES' "Ship Today" program and available immediately. Single quantity pricing for XPedite2000 starts at \$1,495, with OEM volume pricing below \$1,000.

About X-ES, Inc.

Extreme Engineering Solutions (X-ES, Inc.) was founded in 2002 with the focus of building high performance processor and I/O products within the embedded computer industry. X-ES's CEO, Rob Scidmore, has gathered an extremely talented group of individuals with decades of experience to develop standard and custom products that through creative design practices bridge the price/ performance concerns of the market. This technical heritage has allowed for the combining of state of the art design tools and manufacturing techniques. The goal of X-ES is to offer cutting edge performance and flexibility in design; combining this creativity with an unparalleled level of customer support and service. For further information on products or services, please visit our website: www.xes-inc.com.

An XPedite2000 photo can be downloaded from: <http://www.x-es.com/photo/XPedite2000.jpg>.