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Press Release

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Extreme Engineering shatters Performance/Watt Barrier – Releases 3U VPX SBC supporting dual core PowerPC @ 34W

XPedite8070 first VPX card to support ground-breaking P.A. Semi dual core silicon

Madison, WI February 5, 2007 – Your program manager just provided the next generation system requirements: increase CPU performance 10x, decrease power requirements, shrink existing 6U chassis to 3U, and migrate existing PMC modules to the new system. A tall order? Not with **XPedite8070** as your new PowerPC based SBC. **XPedite8070** from Extreme Engineering brings a revolutionary new Power Architecture (PowerPC) device from PA Semi to a 3U VPX/REDI form factor and will satisfy all your program manager requirements...and then some.

Extreme Engineering Solutions, a growing embedded products company, announces general availability of **XPedite8070** today. Key features of **XPedite8070** are:

- 3U, VPX-REDI (Vita 46/48) form factor,
- Single P.A.Semi PA6T-1682 Power Architecture dual core processor to 2.0GHz on each core,
- 34 watts @ 1.5 GHz – can run at lower clock speeds in lower power applications,
- 2 GB of DDR II; 1 GB for each processor core,
- 32 Mb NOR and 1 GB NAND Flash,
- PCI Express and 10Gb Ethernet XAUI fabric interconnect,
- Dual SGMII and dual isolated Gb Ethernet ports,
- Low Cost XPand1000 Development desktop chassis support,
- In-house software support for Linux, WindRiver VxWorks and PNE 1.4 immediately.
- Guaranteed 4-hour response to technical questions.

“**XPedite8070** brings a new CPU performance/watt paradigm to the military systems engineer with support for the PA Semi dual-core PowerPC based processor,” states Bret Farnum, VP of Sales for Extreme Engineering. “No other dual core device comes close to the high performance, low power and I/O flexibility that PA Semi designed into the PA6T-1682 - **XPedite8070** customers will outperform their competition.”

“Future military system designers require high performance compute blades with low power. Extreme Engineering’s **XPedite8070** with its dual core PA6T-1682 processor shatters the performance/watt barrier in the VPX/REDI

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marketplace,” said Sanjay Iyer, Director of Marketing for P.A. Semi. “We’re very impressed with the design expertise that X-ES engineers have applied to their hardware and our silicon.

XPedite8070 follows a line of 3U conduction cooled cPCI cards offered by Extreme Engineering and sets the stage for future form factors based on the PA Semi processor solution. XPand1000 provides mini-VPX chassis development capabilities, bringing affordable **XPedite8070** development to the desktop. **XPedite8070** targets the growing military requirement for higher performance CPU’s for the most sophisticated Avionics, Radar, SDR, UAV, and other applications.

The **XPedite8070** data sheet is located at: <http://www.xes-inc.com/Products/XPedite8070/XPedite8070.html>.
(Active on February 5th.)

Product Pricing and Availability

XPedite8070 is part of Extreme Engineering’s “Fast Ship” program and available immediately with Linux or WindRiver’s VxWorks or Linux PNE 1.4. Single quantity pricing for **XPedite8070** starts at \$7,800 with large program/OEM pricing closer to \$5,000 – depending on volume, memory and processor configurations. The XPand1000 development chassis is available for \$2,000.

About Extreme Engineering Solutions, Inc.

Extreme Engineering Solutions (X-ES, Inc.) was founded with the focus of building high performance processor and I/O products within the embedded computer industry. 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 or call (608) 833-1155.

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For high resolution photos of the XPedite8070, visit: http://www.xes-inc.com/photos/XPedite8070_highres.jpg

For a 300dpi x 300dpi photo of XPedite8070, visit: http://www.xes-inc.com/photos/XPedite8070_medres.jpg

For a 150dpi x 150dpi photo of XPedite8070, visit: http://www.xes-inc.com/photos/XPedite8070_lowres.jpg