



Press Release

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Extreme Engineering Targets Eighteen PowerPC processors on ATCA Blade

XCalibur1411 first ATCA card to support ground-breaking P.A. Semi silicon

Madison, WI June 18, 2007 – NXTcomm is a show dominated by “big telcos” and “big iron,” but this year upstart hardware vendor Extreme Engineering (booth # 3078) is grabbing “big headlines” with their AdvancedTCA blade hosting eighteen PowerPC processors. **XCalibur1411** targets nine dual-core P.A. Semi PA6T-1682 PWRficient processors and each of the eighteen processor cores run at up to 2 GHz. Coupled with 1 GB to 2 GB of DDR2 memory per processor, **XCalibur1411** has the appearance of a High-Performance Computing (HPC) blade in an ATCA form factor.

Extreme Engineering Solutions is pleased to announce beta availability of **XCalibur1411**. Key features include:

- Standard 8U AdvancedTCA form factor,
- Nine P.A.Semi PA6T-1682 PWRficient dual-core processors to 2.0 GHz on each core,
- Power at only 200W – can run at lower clock speeds to reduce power consumption,
- 1 GB to 2 GB DDR2 per processor core,
- 32 Mb NOR and 1 GB NAND Flash,
- PCI Express and 10 Gb Ethernet XAUI fabric interconnect,
- Dual 1 Gb Ethernet on-card to each processor subsystem,
- In-house software support for Linux and QNX immediately, VxWorks and Integrity planned,
- Guaranteed 4-hour response to technical questions.

“**XCalibur1411** started on a customer’s white board in March and quickly became a rallying cry for our engineers in Madison to bring the card out by NXTcomm in June,” states Bret Farnum, Vice President of Sales for Extreme Engineering. “We looking forward to supporting multiple telco applications and discussing **XCalibur1411** with NXTcomm attendees.”

“We’re very impressed with the high compute density that Extreme Engineering achieved on **XCalibur1411**,” said Dan Dobberpuhl, CEO and President of P.A. Semi. “This latest board with nine PWRficient processors sets a new standard for high performance and functionality on an industry standard ATCA blade.

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XCalibur1411 is the fourth P.A. Semi board designed by Extreme Engineering and satisfies multiple communication system requirements where compute density is a requirement like Core Routers, Multi Service Switches, RNC blades and more. While not specifically targeted at the HPC market, **XCalibur1411** would excel in high compute/high density applications for national labs and high energy physics experiments, too.

Availability

XCalibur1411 is available to beta customers in July including ATCA Chassis' and BSP's to jump-start project development.

About Extreme Engineering Solutions, Inc.

Extreme Engineering Solutions (X-ES, Inc.) designs and builds amazing CPU 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.

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For photos of the XCalibur1411, please see:

http://www.xes-inc.com/photos/XCalibur1411_highres.jpg

http://www.xes-inc.com/photos/XCalibur1411_medres.jpg