



**Pinnacle  
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FOR IMMEDIATE RELEASE  
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***PDSi's Proven ATCA Blade Gets Performance Boosts  
Two Quad-core 2.4GHz CPUs and 800MHz Memory Outpace Rival Solutions***

COLUMBUS, Ohio (July 22, 2009) Pinnacle Data Systems, Inc. (PDSi) (NYSE Amex : PNS) Embedded Products Group today announced that its proven AdvancedTCA™ (ATCA) compute blade, model ATCA-F1, is now available with the recently-released embedded "Shanghai" quad-core AMD Opteron™ CPU's. PDSi's powerful, military-tested blade can now be equipped with two of these 2.4GHz CPUs for a total of 8 cores to handle critical ATCA applications that demand the highest levels of server performance.

In concert with these new high-speed CPUs, PDSi is also offering another cost-effective performance enhancement in the form of 800MHz DDR2 memory, up from previous 667MHz memory. Together, these faster CPU and memory options make the PDSi ATCA-F1 blade a leading performance contender among ATCA servers, while also optimizing cost, power consumption, and dependability.

"Our ATCA-F1 blade has repeatedly performed beyond our customers' expectations in real-world applications," said Michael Darnell, VP of PDSi's Embedded Products Group. "The new embedded Shanghai quad-core CPUs were introduced at a surprisingly strong 2.4GHz per core, and are socket-compatible with our existing F1 blade. As a result, we have been able to quickly get them into the hands of customers who are eager to evaluate this latest level of performance."

PDSi began shipping ATCA-F1 blades in late 2008 to OEMs and systems integrators building high-reliability next-gen systems for use in some of the toughest land, sea, and air-based applications. With space at a premium in these installations, doubling the number of computing cores in the same one-slot footprint is of enormous value to system builders. Virtualization software such as VMWare is often used to reliably

subdivide this aggregated computing horsepower into virtual platforms that can run multiple dissimilar applications simultaneously. PDSi's ATCA-F1 blade has been tested and is fully compatible with VMWare's ESX server virtualization platform. PDSi also offers customization, integration, and long-term support services for its OEM and system integrator customers.

### **About PDSi's ATCA-F1 Blade**

PDSi's ATCA-F1 blade is an ultra high-performance military-proven ATCA server featuring two AMD Opteron™ CPUs. Now offered with a full 32GB of memory and the benchmark-setting "Shanghai" quad-core processors, this blade provides the extra level of computing horsepower and built-in virtualization support demanded by the next generation of COTS integrated architectures.

With its robust design, the ATCA-F1 blade has been thoroughly tested and successfully deployed in critical systems including military applications. In addition to an onboard AMC site, this third generation blade features a rear I/O (Zone 3) interface for connection to PDSi's ATCA-RT01 rear transition module, which adds SAS storage, video, and USB resources.

#### *Feature Summary:*

- Ultra-high performance AdvancedTCA server blade
- Two AMD Opteron processors - power efficient embedded dual- and quad-core models up to 2.4GHz
- Four DIMM sockets enable up to 32GB DDR2 800MHz ECC memory
- Front panel interfaces - 2 x GbE, 2 x USB 2.0, 1 x serial
- AMC slot for HDD or I/O expansion, plus optional onboard Compact Flash
- Zone 3 interface enables I/O and storage expansion via PDSi's ATCA-RT01 RTM
- Certified with VMWare ESX Server 3.5
- Military-proven design

For more details, view the product datasheet at:

<http://www.pinnacle.com/products2/advancedtca/bladef1/>

## **About PDSi**

PDSi is a global provider of specialized embedded computing products. We offer a wide range of technology platforms including standard and custom-designed products for the telecom, defense/aerospace, medical, semiconductor, industrial automation and IT markets. Our product capabilities range from board-level designs to globally-certified, fully integrated systems. Our specialties include long-life, embedded products and unique, customer-centric solutions.

In addition to our product offerings, PDSi provides a variety of engineering and manufacturing services for global OEMs requiring custom product design, system integration, repair programs, warranty management, and specialized production capabilities. With service centers in the U.S., Europe and Asia we ensure seamless support for solutions all around the world.

PDSi's turn-key technical programs help our customers bring their solutions to market faster and provide comprehensive service for the lifecycle of their products.

For more information, visit the PDSi website at [www.pinnacle.com](http://www.pinnacle.com).

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