



**Pinnacle  
Data  
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Inc.**

FOR IMMEDIATE RELEASE  
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***PDSi's "Dynamic Duo" VME Blades Pack Intel® Core™ 2 Duo Punch***  
*Two New Server-grade Boards Offer Powerful Upgrades for Legacy Installations*

COLUMBUS, Ohio (August 18, 2009) Pinnacle Data Systems, Inc. (PDSi) (NYSE Amex: PNS) Embedded Products Group today announced a pair of potent new VME compute blades designed to provide pin-compatible upgrade paths for VME systems based on legacy VME-7750 and 7751 products. Both of the new PDSi boards (VM86-N1 and VM86-N2) feature the Intel® Core™ 2 Duo SL9400 processor, a power-efficient dual-core 1.86 GHz embedded CPU based on Intel's low-power 45nm technology. Architected with the server-grade Intel® 5100 Micro Controller Hub for greater memory integrity and extra I/O horsepower, these new blades from PDSi offer modern, higher performing, long-lifecycle upgrade solutions for OEMs and integrators who must maintain critical legacy VME systems.

The VM86-N1 is a compact, single-slot solution, while the double-wide VM86-N2 adds additional I/O capability including on-board SCSI connectivity. Both boards feature modern SVGA video, legacy-compatible front and rear interfaces, and at least one standard PMC/XMC site for I/O expansion. The VM86-N2 has legacy-compatible SCSI interfaces and further offers onboard SATA storage (or a second PMC site) and optional parallel port. Traditional server-class hard drives or the newest super-rugged Intel® X25-E Extreme SATA solid state drives (SSD) can be supplied for this onboard storage.

"Mission-critical VME systems can require lengthy development and validation cycles before deployment. That presents challenges when those original platforms and technologies go end-of-life; often times with little or no notice." said Michael Darnell, VP of PDSi's Embedded Products Group. "One of PDSi's strengths is developing solutions to fill these gaps. We extend the lifecycle of our customers' systems by injecting modern computing platforms while maintaining key legacy compatibilities."

These new Intel-based VME blades take advantage of the power-efficient Intel Core 2 Duo processors, designed from the ground up to deliver the best system level overall performance per watt. The onboard Intel Extreme SATA SSD's offer outstanding performance and ruggedness that is well suited for harsh duty applications.

PDSi is a proud member of Intel's Embedded and Communications Alliance. The company expects to begin shipping its new VM86 blades in the fourth quarter of 2009.

### **About the VM86-N1 and VM86N-2 blades**

PDSi's Intel-based VME Processor Blades (VM86-N1 and VM86-N2) are power-efficient, high-performance compute platforms for updating legacy VME systems. These boards are built around the Intel® Core™ 2 Duo processor and provide convenient, pin-compatible replacement for legacy VME7750- and 7751-based systems while offering upgraded technology, higher performance, more memory and an extended product lifecycle. (VMIVME-7750 and VMIVME-7751 are discontinued products previously offered by another supplier.)

Featuring the server-grade Intel 5100 chipset, both the VM86-N1 and -N2 blades support up to 4GB of ECC memory. They include dual gigabit Ethernet ports and dual USB 2.0 ports for high-speed front communication links, plus a VGA port for high resolution graphics capability. A PMC site provides I/O expansion capability, and there is an optional onboard Flash drive. Legacy application support includes front-mounted PS/2, dual serial ports, as well as a rear floppy interface. Rear I/O interfaces are pin-compatible with existing RTMs.

### Feature Summary:

- Server-grade VME compute blades for compatible upgrade of legacy VME7750 and VME7751 installations
- Intel SL9400 Core 2 Duo 1.86 GHz CPU, Intel® 5100 MCH / ICH9R chipset
- Up to 4GB Registered ECC DDR2 667 Memory
- 1 PMC site standard - 2nd PMC site available on VM86-N2, or optional SATA Storage
- Front I/O - 2 x GbE, 2 x USB, VGA Video, 2 x Serial, PS/2 keyboard and mouse.
- VM86-N2 adds 2 x SCSI and Parallel ports.

- Legacy-compatible rear I/O interfaces

For more details, view the product datasheet at:

<http://www.pinnacle.com/products2/vme/>

*The trademarks, brands and names PDSi, VM86-N1, and VM86-N2 are the properties of Pinnacle Data Systems, Inc. Other third-party brands, marks, and products referenced herein are the properties of their respective owners.*

## **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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