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PHOENIX INTERNATIONAL INTRODUCES NVMe OPEN VPX SOLID STATE DISK DATA STORAGE MODULE

San Diego, CA Feb 21, 2017 Phoenix International Systems today unveiled its industry leading 3.2 terabyte capacity VP1-250-eSSD 3U Open VPX NVMe Express (NVMe) Solid State Disk data storage module at AFCEA/USNI West 2017 Conference and Exposition.

NVMe Express (NVMe) is an industry-standard registered interface designed to accelerate the performance of nonvolatile PCI Express (PCIe) SSDs. The NVMe protocol was established in collaboration by server industry leaders to standardize a scalable PCIe interface, making it easier for designers to unlock the full potential of PCIe. NVMe provides opportunities for increased data throughput and reduced latency all while reducing the number of drives needed — both now and in the future. Adoption of this industry standard is driven by a strong consortium of storage technology providers and a robust ecosystem of drivers across multiple operating systems.

The VP1-250-eSSD is 3U VPX SSD storage module that delivers extremely high performance via a single Fat Pipe (PCIe 4x). Designed from the ground up to remove legacy layers of hard drive interfaces such as SATA and SAS, it takes full advantage of the speed and parallelism of solid state nonvolatile memory. Streamlined efficient queuing protocol combined with an optimized command set register interface enables low latency and high performance. Data is delivered fast and efficiently with minimal burden on the host CPU.

Major Features of the VP1-250-eSSD Data Storage Module:

Out-of-the-box software, drivers and manageability enable easy adoption and storage interoperability
Capacities from 800GB to 3.2TB

Optimized register interface and command set lowers latency

Performance:

Sequential 128KB read: 3.0 GB/s

Sequential 128KB write: 2.0 GB/s

Random 4KB read: 750,000 IOPS

Random 4KB write: 300,000 IOPS

Operating shock: 1000G/1ms

Operating vibration: 3.1 GRMS 5–800Hz @ 30 min/axis

Advanced flash management for enhanced reliability and durability

Streamlined protocol with efficient queuing mechanism to scale for multi-core CPUs

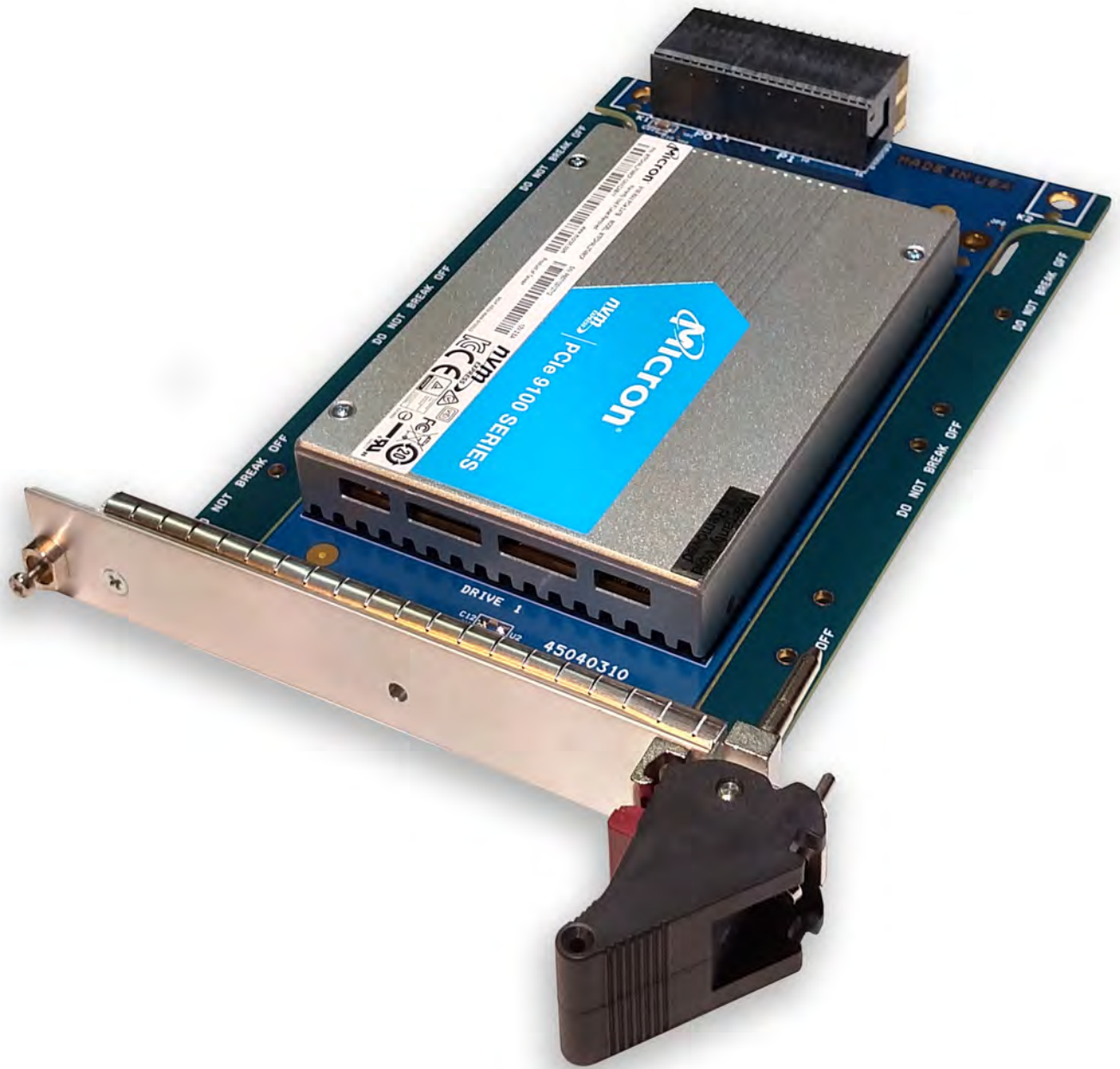
2,000,000 hours MTBF

Made in USA

Phoenix International is an AS 9100 rev C/ISO 9001:2008 certified, Service Disabled Veteran Owned Small Business (SDVOSB) manufacturer of Rugged COTS data storage products. Phoenix developed state of the art enabling technology provides users with mass storage products that ensure the highest performance storage and data network systems. These systems range in size and application from multi-terabyte Fibre Channel RAID, NAS and Storage Area Network (SAN) configurations to conduction cooled plug-in VPX and VME solid state (flash) storage modules.

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<http://www.phenxint.com/>



VP1-250-eSSD 3U Open VPX NVM Express (NVMe) Solid State Disk