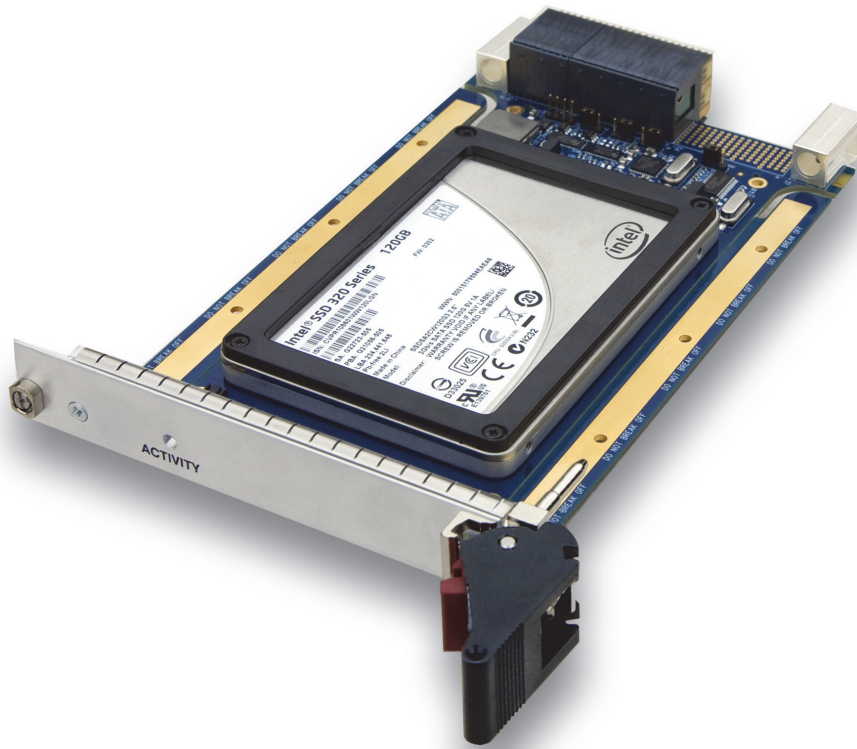


Rugged SATA Open VPX Disk Module



Phoenix International's VP1-250-SSD/HDD Serial ATA (SATA) based VPX blade delivers high capacity, high performance data storage for military, aerospace and industrial applications requiring rugged, secure and durable mass data storage.

The VP1-250-SSD/HDD is a 3U VPX storage module that can support either a rotating or solid-state hard drive. When used with supporting media, the VP1-250-SSD/HDD supports the "purge" input signal to destroy the media or the "Zeroize" that performs a DOD approved erasure of the media.

The VP1-250-SSD/HDDs outstanding performance and versatility is enabled by Phoenix International's state-of-the-art technology which provides very high transfer and I/O rates, enhanced endurance and maximum data integrity.

Features

Solid State Disk or Hard Disk Devices

Conduction, REDI Conduction and Air Cooled Configurations

Supports SATA and SAS Interfaces

Up to 80,000 Feet Operational Altitude

Operational Temperature from -40° to 85°C

Solid State Drives (SSD) up to 16TB, Rotating Disk Drives (RDD) up to 5TB

80,000+ 4KB Random IOPS

Integrated SLC, eMLC or MLC NAND SSDs

Meets Military and IRIG 106-07 Declassification Standards

TCG Compliant AES 256 Encryption

Made in USA



Rugged VPX Disk Module

TECHNICAL SPECIFICATIONS

Environmental

Form Factor:

3U VPX bus 6.299" (160mm) x 3.937" (100mm)

Module Interface:

SATA or SAS

Air Cooled Temperature:

0° to 70°C (Air flow requirement as measured to be greater than 200 LFM)

*Temperature, Operational:

Conduction-cooled with REDI (Vita 48) covers
Temperature: -40° to 85°C (Module MUST operate in a fully installed Conduction Cooled, REDI cover rack)

Temperature, Storage:

-55° to 105°C

*Vibration:

16g RMS, 20Hz-2KHz random

*Shock:

50g each axis, 11mSec, Half Sine

Altitude:

80,000 feet

Relative Humidity:

5 to 95%, non-condensing

MTBF:

MIL Spec 217-F@ 105,000 Hrs (without drive).

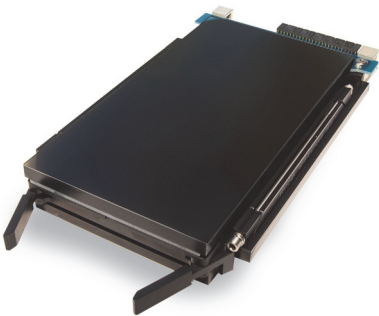
* Must use a Solid State drive capable of temperature range and shock and vibration.

Compliance Specifications

The VP1-250-SSD/HDD Drive Module is designed to meet CE Emissions specification EN 55022, CE Immunity specification EN 50082-2 and FCC 47 CFR, Part 15, Class A when tested in a shielded enclosure. Meets VITA 46, 48 and 65: VPX System Specifications and Practices.

Phoenix International

Phoenix International is an AS 9100 Rev D/ISO 9001:2015 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 VME/VPX solid state (flash) storage modules.



Conduction Cooled with REDI (Vita 48) Covers



Phoenix International is AS 9100 Rev D/ISO 9001:2015
Certified

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