

# 5335/6 PCIe Storage Module with Controller

## 8 SATA Ports and Dual Drives in a Single Slot



Dual drives in one 3U VPX slot

### Description

The 5335/6 supports storage volumes surpassing 2TB in a single 3U VPX slot, with capacities keeping pace with current drive technologies. Choose from SLC, MLC, or rotating hard drives to match the endurance and environmental toughness of your system. The 5335/6 supports an 8 port SATA III 6Gbps controller with two on-board and six additional SATA III drives off-board allowing it to be implemented as part of a multi-slot storage array using Elma's 5332 and 5333 SATA III dual drive storage carriers.

The controller/carrier card allows for storage system expansion so it can scale to meet the ever-increasing needs of your application.

### Features

- Largest available capacity in a single 3U VPX slot with dual SATA drives
  - Marvel 88SE9480 PCIe Gen2 X8 or X4 or X1 to 8 SATA III 6Gbps ports controller
  - Compliant with profile SLT3-PER-2F6U-14.3.2
- Solid state SLC, MLC drive or rotating 2.5" drives
- Write protection and secure erasure with activation options media dependent
- Designed for 5HP slot width and REDI offset faceplate
- 5HP VITA 48 REDI primary and secondary side covers
- Commercial operating temperature 0°C to +55°C only
- Air cooled (5335) and conduction cooled (5336) configurations available with optional conformal coating
- 5335 Supports 1 drive in 4HP slot with no REDI covers  
5336 requires REDI covers and 5HP slot
- Drivers for Linux and Windows OS. Consult Elma regarding VxWorks support

### Benefits

- Provides the building blocks for a high speed, high capacity storage array
- Manage your system using software RAID for maximum data protection and access speed
- Ideal for signal processing applications demanding high data rates and large storage capacities.
- Addresses high capacity storage needs using the latest capacities in 2.5" drives

## Applications and Related Products

- High capacity storage requirements for a wide range of defense applications including ground, shipboard and airborne systems
  - Signal intelligence data storage
  - Engine control systems data
  - Mission data storage
- Commercial and industrial data storage applications requiring high capacities, expandability and software RAID protection.
- Rugged applications requiring resistance to a wide range of temperature extremes as well as high shock and vibration resistance.

### Example Order Number: 5336256G00STSBNYS

Conduction cooled with a 256GB solid state SLC extended temperature drive, REDI side covers, no signal ground isolation, conformal coated and commercial temperature operation.

- Custom backplanes – need a custom backplane architecture for your system?
- Embedded computing products – Single Board Computers (SBCs), networking switches, storage
- FPGA based configurable I/O
- Rear transition modules (RTMs), extender and load boards

**VPX**

