

# PCIe Drive Array

HIGH PERFORMANCE ARRAY OF FOUR 2.5" SATA DRIVES



PCIe X4 Single board RAID sub-system

Supports RAID (0, 1, 5, 10) via Silicon Images SATARaid™ RAID management utility as well as JBOD and concatenated volumes

Utilizes Silicon Image SiI3124A Single Chip Host Controller and Integrated Device Technology Tsi384 PCIe to PCI-X bridge

Supports SATA II speeds up to 3Gb/s

Supports SATA II Native Command Queuing & SATA 1.0 Tagged Command Queuing

Incorporates 4 embedded 2.5", 5400/7200 RPM SATA hard drives or solid state drives for total capacities of up to 4TB\*

Software drivers for Windows, Linux, and MAC OS for both RAID & non-RAID operations

## High performance array of four 2.5" SATA drives on a single PCIe X4 board

Apricorn's PCIe Drive Array is a flexible, high performance array of four 2.5" SATA hard drives or solid state drives on a single PCIe X4 board.

Using an Integrated Device Technology Tsi384 PCI express X4 to PCI-X 64-bit/133MHz bridge and the Silicon Image SiI3124A single chip host controller, the PCIe Drive Array is capable of incorporating 4 embedded 2.5", 5400/7200 RPM SATA hard drives or even faster solid state drives for total capacities of up to 4TB\*, making it a perfect fit for applications such as servers, industrial PCs, high speed data collection and storage systems that require maximum performance from their storage architecture.

The PCIe Drive Array is compatible with several systems and only uses one internal full length PCIe X4 slot. It fits perfectly in Apple's Mac Pro system, server motherboards and is also small enough to fit in a 1U slot for industrial applications.

The PCIe Drive Array contains drivers for Windows, Mac OS X, Linux and Novell Netware operating systems for both RAID and non-RAID operations. The PCIe Drive Array also includes configuration software and supports RAID 0 (striping), RAID 1 (mirroring), RAID 1+0 (mirrored stripe), and RAID 5 (parity stripe), as well as JBOD and concatenated volumes via the Silicon Image SATARaid™ RAID management utility.

Designed for optimum performance, the PCIe Drive Array Supports SATA II Native Command Queuing & SATA 1.0 Tagged Command Queuing, ensuring that drives stay fully loaded with queued commands.

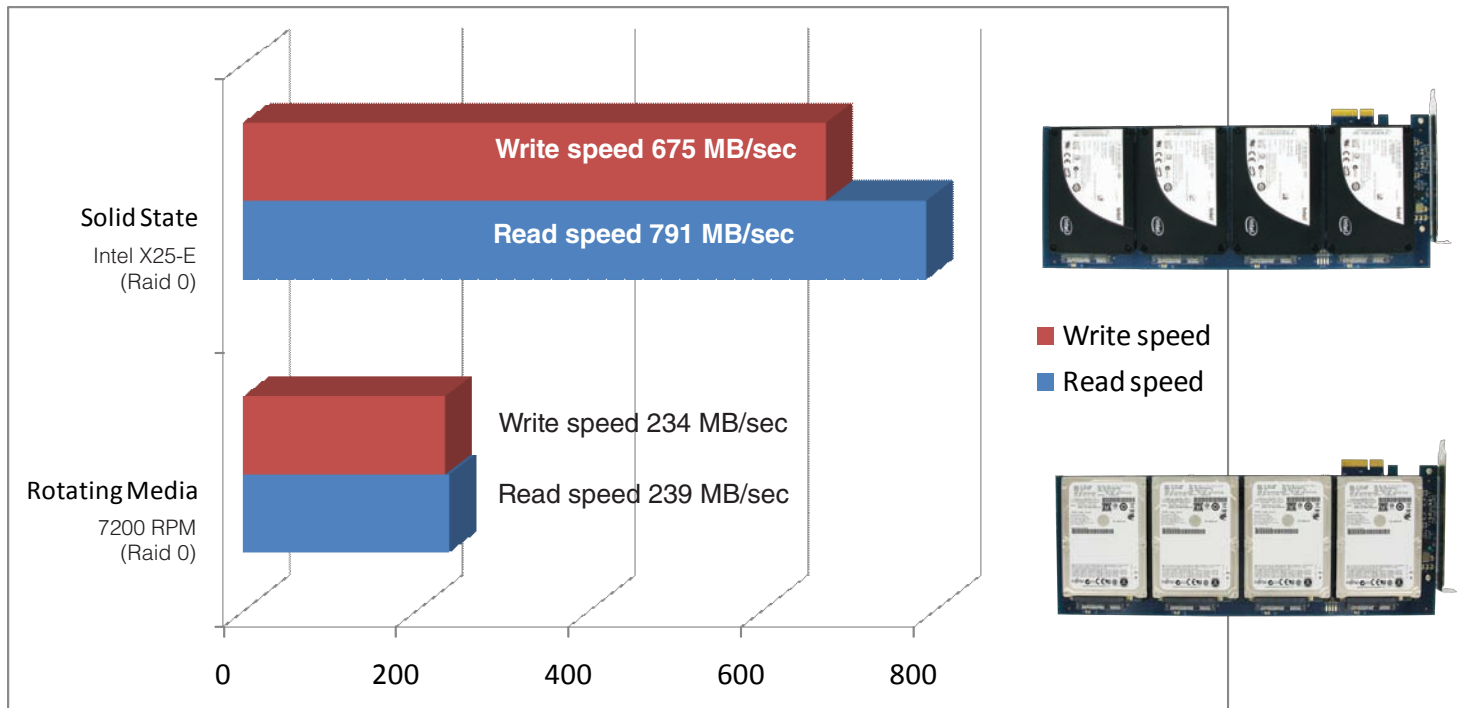
\*One terabyte (TB) = one trillion bytes

4TB based on four 1TB 2.5" drive configuration. accessible capacity will be less and actual capacity depends on the operating environment and formatting.



Visit our web site at [www.apricorn.com](http://www.apricorn.com) or call 1-800-458-5448  
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# Average Read / Write Speed Comparison for Solid State vs Rotating Media



Features
PCIe X4 Single board RAID sub-system
Supports RAID (0, 1, 5, 10) via Silicon Images SATAraid™ RAID management utility
Utilizes Silicon Image Sil3124A Single Chip Host Controller
Supports SATA II speeds up to 3Gb/s
Supports SATA II Native Command Queuing & SATA 1.0 Tagged Command Queuing
Incorporates 4 embedded 2.5", 5400/7200 RPM SATA hard drives OR solid state drives for total capacities of up to 4TB*
Software drivers for Windows, Linux, and MAC OS for both RAID & non-RAID operations
Target applications: <ul style="list-style-type: none"> <li>• Industrial PCs</li> <li>• Fault tolerant applications</li> <li>• High speed data collection</li> <li>• Design applications</li> </ul>

Specifications	
Box Contents	PCIe CCA w/ drives, Apricorn driver CD & RAID management utilities, Manual
Data Transfer Rates	SATA II speeds up to 3Gb/s
Interface	SATA II
Dimensions & weight	4.8" x 12.28"
Warranty	1 year limited
System Requirements	PCIe X4 slot
Individual hard drive specs	
Buffer Size	8MB
RPM	5400/7200 RPM for HDDs NA for Solid State Drives
Average seek time	12 ms
Shock - non operating	1000G 1ms
Shock - operating	300G 2ms
Ordering info	
Ordering Information	<b>Apricorn Part Number:</b> PEDA-xxxx (xxxx = total capacity in GB's)

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For more information on **PCIe Drive Array** and other innovative Apricorn products

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