Looking for an NVMe Boot Drive Solution like the BOSS AIC Card? Discover the HighPoint SSD6202A

October 2024, Fremont CA - For enterprises in search of a high-performance, reliable, and cost-effective boot-drive solution, the HighPoint SSD6202A is the ideal choice.
Engineered for enterprise computing environments, the robust, low-profile PCIe NVMe RAID AIC enhances the reliability and redundancy of the host platform by isolating the system's boot device from critical applications and primary data storage. The SSD6202A incorporates an impressive array of hardware and software features designed to maximize the performance, reliability and serviceability of NVMe storage media.

Native Hardware Support Streamlines Integration & Service Workflows

SSD6202A AICs are natively supported by all current Linux and Windows-based operating system and virtualization platforms, and require no additional device drivers or software applications to perform optimally. Hosted NVMe SSDs and RAID arrays will be automatically recognized as ordinary drives during OS installation, and can be formatted and partitioned as desired.
The universal PCIe x8 host interface enables the SSD6202A to be seamlessly integrated into any PCIe Gen3, 4 or 5 platform, and can deliver up to 7,000MB/s of real-world transfer throughput using just a pair of off-the-shelf M.2 SSDs.

Maximize Reliability with Integrated Host RAID Technology

The SSD6202A's integrated host RAID 1 mirroring technology effectively shields bootable volumes from the threat of device failure by maintaining an automated, "hidden" backup disk. The mirrored disk is normally invisible to the host platform, and will only activate in the case the primary drive should fail. The hand-off is a seamless process, and entirely transparent to the host platform, which will continue to operate without interruption.

Key Applications that Stand to Benefit from HighPoint SSD6202A:

Enterprise Data Centers: Data center environments can reap significant benefits from using the SSD6202A for boot management. The AIC isolates the OS storage from application and data storage, which can improve overall system performance. Native hardware support simplifies service and upgrade procedures, while redundant RAID 1 mirroring technology effectively shields the OS from the risk of device failure, further mitigating the risk of downtime.

Small and Medium Businesses (SMBs): SMBs often rely on cost-effective solutions to streamline server administration. The SSD6202A's affordability, native hardware support, integrated RAID technology and versatile management tools provide an ideal bootable framework for any cost-effective server and workstation platform. In addition, thanks to dual M.2 NVMe device ports, the SSD6202A is significantly faster and more responsive than competing solutions, such as Dell's BOSS series of controller cards, which rely on SATA-based SSDs.

Cloud Service Providers: Cloud Service providers can optimize the efficiency of storage servers by isolating the host OS from primary storage infrastructure. Utilizing the SSD6202A to host and manage bootable volumes enables the primary storage to be wholly dedicated to customer workloads, thereby freeing resources, enhancing efficiency and maximizing storage performance.

Virtualization Platforms: HCI (hyperconverged infrastructure) or VDI (virtual desktop infrastructure) solutions employ software applications to replace traditional server hardware in order to reduce cost and streamline maintenance and service workflows. SSD6202A is ideal for such applications – a single compact AIC can directly host multiple, bootable virtual drives for both server and client-side services and are natively supported by leading HCI and VDI suites, including VMware vSAN and ESXi, and Microsoft's Azure & Hyper-V. Integrated Host RAID technology enables administrators to tailor each volume to maximize storage performance or reliability.

Edge Computing and Remote Offices: In Remote Office/Branch Office (ROBO) environments, where local workloads require simplified boot solutions, the SSD6202A ensures dependable server boot operations without having to dedicate high-performance local storage to the OS. Edge computing deployments in geographically distributed server setups can also benefit from this reliable and efficient boot drive solution.

Now Shipping!

The HighPoint SSD6202A is now available through our worldwide distribution and reseller channels. With this cost-effective, reliable boot drive management solution, businesses of all sizes can streamline server deployments and improve system performance across a wide range of applications.

SSD6202A PCIe 3.0 x8 2x M.2 NVMe Host RAID AIC – MSRP **USD $149.00**
SSD6204A PCIe 3.0 x8 4x M.2 NVMe Host RAID AIC – MSRP **USD $159.00**

Learn More about the SSD6202A

https://highpoint001.wixstudio.io/my-site-4/ssd6200-series-overview

Model	Boss-S2	SSD6202A	SSD6204A
Bandwidth	2.0x 4	3.0 x8	3.0 x8
AIC FF	Low-profile	Low-profile	Full-Height
Qty Drive	2x	2x	4x
Drive Type	M.2 SATA	M.2 NVMe	M.2 NVMe
RAID support	1 and Non-RAID	0, 1 and Non-RAID	0, 1 and Non-RAID
Boot Support	Yes	Yes	Yes
OS Support	Windows, Linux, VMWare	Inbox Driver (Windows, Linux, VMWare)	Inbox Driver (Windows, Linux, VMWare)
LED Indication	No	Yes	Yes

About HighPoint Technologies, Inc.

HighPoint Technologies stands at the forefront of storage innovation as the industry's -premier manufacturer of high-performance, high-density NVMe Switch and RAID AIC & Adapter solutions for off-the-shelf x86 AMD and Intel platforms. With a rich history spanning nearly three decades, our dedication to delivering innovative, reliable, and high-performance storage solutions has consistently set us ahead in the marketplace. HighPoint's NVMe storage solutions are powered by industry-proven PCIe Switching technology, and are designed to address the dynamic requirements of AI/ML/LLM applications, Data Centers, Edge Servers, and high-performance workstations, enabling customers to keep pace with today's rapidly evolving technology landscape.