



SSD6200 Series Bootable NVMe RAID Host Controllers

2 & 4 M.2 Ports, PCIe Gen3 x8

Seamless, Driverless Experience

Driverless, Bootable NVMe RAID Solutions for Professional Applications, Industrial Solution Providers & VAR's

HighPoint SSD6200 series bootable NVMe host RAID controllers are built to tackle the demanding workflow and storage performance requirements of industrial workstation and server applications.

Wide Spectrum of Supported Operating Systems

Unprecedented NVMe Boot

Capability: SSD6200 series controllers are natively supported by a wide range of VM and OS platforms, including Linux, Windows & VMware. RAID configurations will automatically be recognized as single volumes; no driver required!

Simplicity Redefined

Configure arrays with the flip of a switch! No IT background? No problem! SSD6200 controllers are ideal for users of any skill level. Customers don't need to master a complicated RAID application to configure NVMe storage.

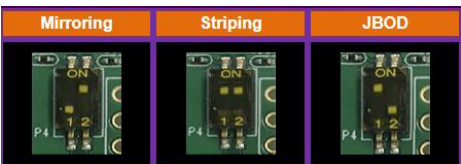
Optimizes Production Workflows:

One-Click RAID Creation enables Solution Providers and VAR's to optimize production workflows.

The onboard RAID switch completely flattens the learning curve by eliminating the need for an interface or application. You don't even need an OS or input devices! Simply install the SSD's, plug in the card, power on the system and toggle the switch!

RAID Switch Settings:

Each controller features two hardware switches which can be used to configure one of 3 arrays modes (Mirroring, Striping and JBOD).



RAID Mode Selection

RAID Mirroring: Data Security Zero-Downtime Boot Solution!

RAID Mirroring creates a secure backup of you bootable drive. The hidden "mirror" will automatically take over if the original fails.

RAID Striping: Full-Speed Ahead!

Maximize Performance & Capacity; RAID Striping combines multiple NVMe SSD's to boost performance and capacity.

Blisteringly Fast

A single SSD6200 controller can deliver over 7000MB/s of transfer performance using off-the-shelf M.2 NVMe SSD of any capacity. The massive transfer bandwidth and versatility enable solution providers to deliver custom-tailored NVMe storage for a wide range of customer applications.

FIO (Ubuntu Linux)	RAID 0	RAID 1
2M-Seq-Read (MB/s)	7204	3616
2M-Seq-Write (MB/s)	6284	1727
4K-Rand-Read (IOPS)	149K	148K
4K-Rand-Write (IOPS)	125K	136K

Distraction-Free, Zero-Noise Cooling Solution

The SSD6204 can operate in complete silence. The full-length black anodized aluminum heat sink and ventilated full-height bracket dissipate waste heat away from critical NVMe controller componentry and the M.2 NVMe SSD's without the aid of a cooling fan.

Intuitive & Streamlined Management Suite

To streamline the RAID creation and administration process, we have developed unique versions of our WebGUI and CLI management tools.

Key Benefits

- 2-4 M.2 Ports
- Driverless NVMe RAID Solution
- UEFI, CLI & WebGUI RAID Configuration & Management
- Wide Spectrum of Boot OS Support
- Rebranding MP-Tool WebGUI (available for System Integrators)

The **WebGUI** is ideal for customers who are not accustomed to command line based management tools. Wizard-like quick configuration menus allow even the most novice user to get everything up and running with a few simple clicks.



The **CLI** (Command Line Interface) is ideal for experienced administrators and was designed for platforms that do not utilize graphical operating systems.

SHI (Storage Health Inspector)

Both interfaces include our SHI feature, which enables customers to monitor the health of NVMe SSD's via SMART attributes, in real-time, such as temperature, TBW (Total Bytes Written), and operational status.

Logical	Setting	Event	SHI
Storage Health Inspector(SHI)			
Device Serial Number	RAID	°F	Total Bytes Written S.M.A.R.T
7FE00707087104034542	None	89	138.89 TB Detail
03F10707074404014589	None	89	138.63 TB Detail
7FE00707089D04033529	None	89	147.17 TB Detail
6D110707069503992916	None	91	140.32 TB Detail

The **UEFI Package** is a command line RAID creation tool used to prepare NVMe configurations for OS installation without the need for a separate OS or application.

Product feature	SSD6202	SSD6204
		
Bus Interface	PCI-Express 3.0 x8	
Number of Channel / Port	2x M.2 NVMe ports	4x M.2 NVMe ports
Data Transfer Rate	8GT / 8Gbps per lane	
Number of device	2x M.2 NVMe SSD	4x M.2 NVMe SSD
SSD Form Factor	2242/2260/2280	2242/2260/2280/22110
Form Factor	Low-Profile	Full-Height
Card Dimensions	6.61" L x 2.71" H x 0.67" D	7.68" L x 4.38" H x 0.73" D
Card Weight	0.97 lbs.	1.23 lbs.
Operating System Support	Windows 10/Server 2016/Server 2019, Linux (Kernel v3.10 and later), Microsoft Hyper-V, VMware, Proxmox	
Cooling	Anodized aluminum heat sink with integrated low-noise fan	Full-length anodized aluminum heat sink
NVMe Configuration		
RAID Support	Single, RAID 0, 1	
TRIM RAID Support	Single/RAID 0, 1	
Management Suites	CLI (Command Line Interface)	
	WebGUI (Graphical, web-based management interface)	
	UEFI Package	
	MP-Tool RAID Management (only available by project request)	
Operating Environment		
Work Temp	+5°C ~ + 55°C	+5°C ~ + 55°C
Storage Temp	-20°C ~ +80°C	-20°C ~ +80°C
Operating Voltage	PCI-e: 12V, 3.3V	PCI-e: 12V, 3.3V
Power	Typical: 3.4W	Typical: 3.4W
MTBF (Mean Time Before Failure)	920,585 Hours	920,585 Hours
Certification / Approval	CE, FCC, RoHS, REACH, WEEE	CE, FCC, RoHS, REACH, WEEE
Kit Contents	SSD6202	SSD6204
	QIG	QIG
	Low-Profile bracket	