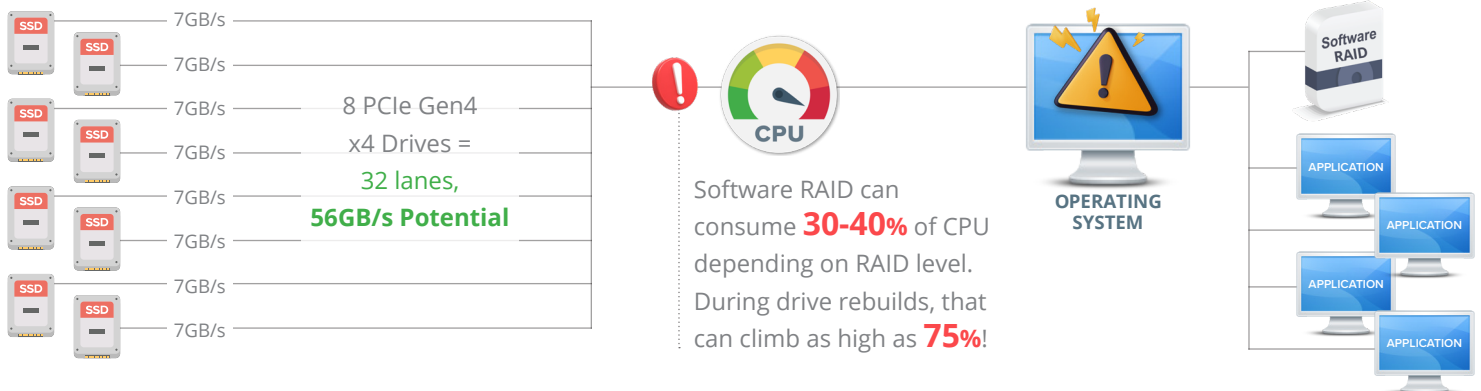
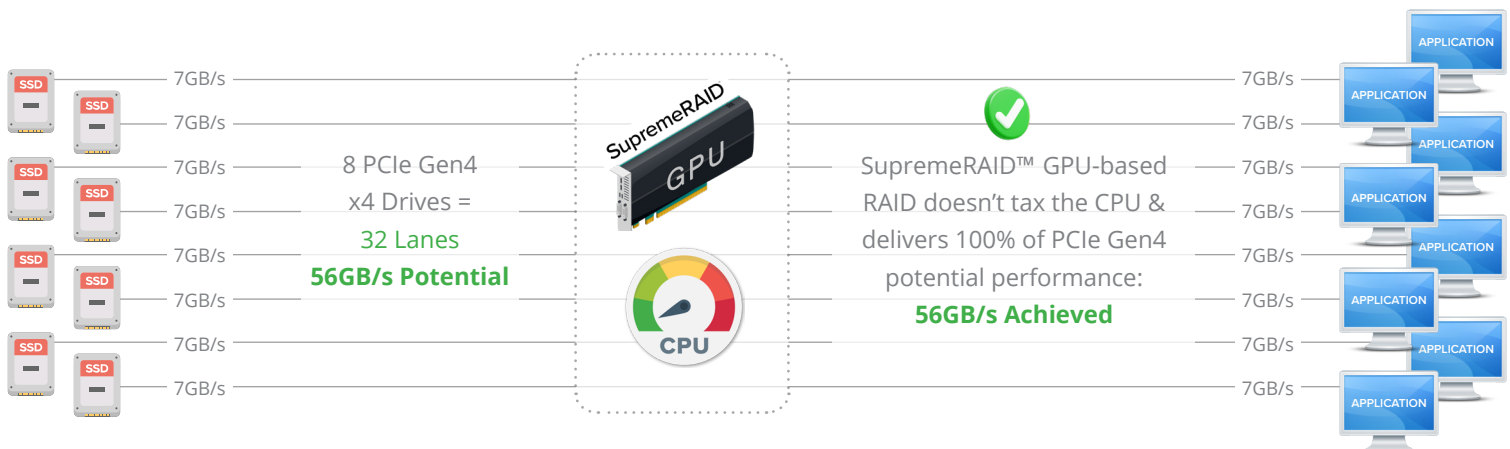


higher CPU workloads, creating unavoidable bottlenecks that slow systems, databases, and applications. **SupremeRAID™ works differently.** It combines two powerful technologies — software-defined storage (SDS) and GPU acceleration — to create an innovative solution ideal for NVMe SSD data protection. The result is better performing RAID-protected storage with the same PCIe NVMe SSDs.

Software RAID competes with your operating system and applications, taxing the CPU...



...but SupremeRAID™ GPU-based RAID eliminates the RAID bottleneck without taxing the CPU, and achieves the full potential of your SSD performance.



Top Reasons Why SupremeRAID™ Wins Over Software RAID

Record-setting RAID storage performance

Scales up to 28M IOPS and 260GB/s throughput for more SSD performance while protecting data

Modern software-defined storage

Relies on flexible software to deliver functionality, combines best-in-class hardware and software for RAID

GPU add-in card for RAID acceleration

Offloads RAID computations from the system's CPU, frees-up cores to process database, app workloads

Predictable system & RAID performance

Dedicated hardware processes RAID storage workloads, system runs optimally regardless of storage workloads

High-performance in degraded mode

GPU add-in card effortlessly recreates missing data, minimal impact on system performance during SSD failure

High-performance in rebuild mode

GPU add-in card effortlessly recovers to the replaced drive, minimal impact on system performance during SSD rebuild

Fast and easy setup and usage

Install add-in card and configure SSDs for RAID in minutes, less complicated than OS and file system RAID

SupremeRAID™ for both Linux and Windows

Standardize your RAID solution across multiple data centers to simplify system design, management, and administration

28M

IOPS

260GB/s

Throughput

UP TO **100%**

SSD Performance

80%

Cost Savings

9x

Faster



Better Performance & Scalability

Rescue Wasted Performance

Every system with NVMe SSDs needs SupremeRAID™. The math is simple: software RAID 10 mirrors data across drive pairs, reducing bandwidth by 50%.



Lower CPU Utilization

Achieve Better Overall TCO

SupremeRAID™ with RAID 5 delivers faster performance than software RAID and up to 50% higher capacity with the same SSDs: in essence, the money saved pays for SupremeRAID™.



Lower Power Consumption

Reclaim Valuable System Resources

SupremeRAID™ includes a GPU add-in card for RAID acceleration while software RAID uses CPU cores for RAID processing, consuming up to 87% of system resources.

Reclaim Overtaxed CPU Resources with SupremeRAID™

SupremeRAID™, the world's fastest NVMe and NVMeoF RAID solution for PCIe Gen 3, 4 and 5 servers, blasts performance to 28M IOPS and 260GB/s and supports up to 32 native NVMe drives to deliver superior performance while increasing scalability, improving flexibility, and lowering TCO. Visit graidtech.com to learn more.

Contact us today at info@graidtech.com

LEARN MORE:

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vs. Hardware RAID

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