



SOLUTION BRIEF

ASUSTOR Partners with Western Digital to Deliver High-Performance and Large-Capacity NAS Solutions

Western Digital's WD Red® Pro HDDs and WD Red SSDs enable ASUSTOR NAS solutions to meet the demands of data-intensive environments

Highlights

- **Increased Performance and Stability:** Boosts performance and reliability with an integrated solution built for some of the most demanding environments and highest workloads.
- **Simple Scalability:** Enables simple expansion of capacity in the future as needed to keep pace with rapid data growth.
- **Breakthrough Economics:** Offers a cost-effective solution that reduces power, cooling and rack space to help reduce opex and capex costs.

Challenges

- **Increasing Demands:** Exploding data rates are pushing NAS environments to store more data for longer periods of time, while simultaneously requiring performance for data-intensive applications.
- **Management Difficulties:** Installing additional NAS devices to keep pace with rapid data growth results in complex environments that are costly to manage.
- **Skyrocketing Costs:** Keeping pace with explosive data growth is driving up OPEX costs related to powering, cooling and managing multiple NAS systems.

Solution

ASUSTOR relies on Western Digital's WD Red® Pro HDDs and WD Red SSDs to give their Lockerstor line of NAS solutions the performance and storage capacity needed in data-intensive environments. WD Red Pro devices are specifically designed for NAS environments to deliver scalable, reliable and cost-effective storage to handle exponential data growth.

Data Is Your Most Valuable Asset

Your data is your organization's most valuable resource. It fuels innovation. Strengthens customer relationships. Guides the strategic decisions that can make or break your business. As you generate more data and store it longer, you face a growing challenge: the high costs and spiraling complexity of storing, sharing and protecting your most valuable asset.

Storage Challenges for Modern NAS Demands

Massive data growth and tight budgets are forcing businesses to find more effective and flexible methods of storing, protecting and sharing data. Small- to medium-sized businesses have more users accessing a variety of files more frequently than ever before. While files become heavier with high-definition video content, multimedia files, or design files, supporting an increasing number of users who want to simultaneously access data can push the limits of a NAS system.

While modern HDDs provide strong performance, executing these operations on an SSD delivers a significant performance improvement. If you are creating video content, for example, utilizing SSDs can greatly improve the overall process of rendering files, as well as editing and upload times for others to access.

In addition, today's NAS systems often come with 10GbE (gigabit ethernet) which allows greater performance from the system, taking full advantage of the performance SSDs can deliver. Although SSDs provide much faster access to data, since the price of an SSD is much higher than the price of an HDD, NAS Administrators have to balance the performance of SSDs with the greater capacity that HDDs provide.

Breaking Down NAS Storage Barriers

As a leader in storage, Western Digital is working with ASUSTOR to deliver innovative solutions that modernize NAS environments to be able to control rapid data growth and deliver data efficiently to many concurrent users and data-hungry applications.

The full suite of ASUSTOR's Lockerstor NAS devices are powerful, reliable and scalable solutions for businesses of all sizes. Western Digital's WD Red Pro HDDs and WD Red SSDs compliment Lockerstor NAS devices to deliver the performance and storage capacity needed for enterprise virtualization and data sharing in data-intensive environments.

The combination of ASUSTOR's Lockerstor with WD Red Pro devices help provide NAS environments with the ability to deliver scalable, reliable and cost-effective storage to handle exponential data growth.

A Powerful, Simple and Scalable NAS Solution

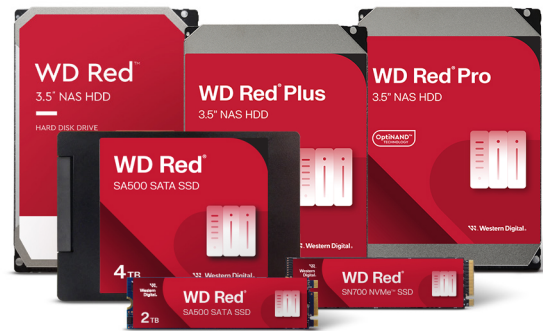
In the past a NAS was a network device that protected and ensured data security by providing storage and backup. It was primarily used by big businesses. However, due to the increasing digitization of data and the continual development of computers and mobile devices, the needs for storage are no longer limited just to big businesses. Power users and businesses of all sizes now have increasing digital storage needs. In response to this, ASUSTOR has utilized a new and innovative non-traditional design concept to create a new generation of network storage devices. ASUSTOR is one of the first to create NAS products that are designed with an easy-to-use and tablet-style UI, producing a versatile, flexible and customizable storage platform that has something to offer to all types of users and businesses of all sizes.



ASUSTOR's Lockerstor series are equipped with Quad-Core enterprise-grade CPUs, expandable memory and are specifically designed for businesses and power users. Rackmount models come with redundant power supplies while all Lockerstor models feature a range of speed options, including Gigabit, 2.5GbE, and 10GbE ports to help bring flexible yet secure data storage to your growing business.

An Industry Leader in Flash and Hard Disk Storage

While there are numerous HDDs and SSDs available with different levels of performance, reliability, endurance, warranty terms and price points, most are just generic devices that could be used in a wide variety of systems or applications. Western Digital's WD Red Pro SSDs and HDDs have been specifically optimized to be used in NAS devices to achieve improved performance, high reliability and endurance to increase system response time and confidently store large amounts of data.



WD Red® Pro hard drives and flash storage are engineered to handle high-intensity workloads in 24x7 multi-user commercial and enterprise NAS environments. WD Red Pro drives have undergone extensive compatibility testing with all the major NAS systems and have extensive integration with their technologies to provides the flexibility and security needed to store and share valuable data and business files.

A Winning Partnership for NAS Storage

NAS storage doesn't have to be so complicated. By combining industry-leading WD Red Pro HDDs and WD Red SSDs with ASUSTOR's innovative Lockerstor NAS storage solutions, you can add scalable, reliable, high-performance capacity to your NAS environment easily and affordably.

NAS systems loaded with generic HDDs and SSDs may not have been designed and tested to handle the demands of today's data growth. Western Digital and ASUSTOR together can help businesses modernize their NAS systems to handle the most demanding of environments and highest workloads with a powerful data storage and management solution.

For more information on how ASUSTOR paired with Western Digital's WD Red Pro HDDs and WD Red SSDs can turbocharge your NAS infrastructure and improve business operations, visit westerndigital.com/wdredpro.

