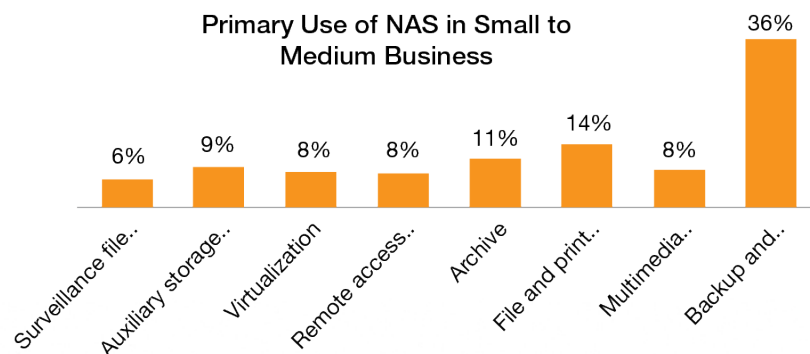


Enterprise NAS HDD Product Overview

Marketing Bulletin

Propel Your Business to the Next Level

Small, medium and large businesses alike use network attached storage (NAS) for backup and disaster recovery. More and more businesses are discovering that NAS can drive new methods of collaboration, data security, IP protection and even surveillance. Today's NAS is moving out of the closet and enabling businesses all over the world to master improved processes, such as methods to capture, save and share data. Today's business owners want to trust the cloud, but knowing their data is close and can be accessed quickly gives them peace of mind. NAS applications and the OS have become more powerful, demanding more from storage components to keep up with the box and user requirements. NAS boxes today require both streaming and random read/write performance in a 24x7 environment because they are being accessed from anywhere and at any time. This type of demand requires more than just the highest capacity drive on the market; it also requires ease of integration that won't break business continuity.



Source: Seagate WW SMB Blind Survey

Figure 1. Most NAS units are purchased to handle multiple functions, most commonly backup and disaster recovery.

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Introducing the Seagate® Enterprise NAS HDD

The new Enterprise NAS HDD is precision designed for 4- to 16-bay NAS rackmount and tower solutions within medium to large business environments where there are concurrent users accessing the solution at any given time. Enterprise NAS HDD is the only 6TB NAS- and RAID-optimized drive that can deliver enterprise reliability features yet sustain a standard

NAS application workload of write streams in conjunction with random reads. This simple yet strong enterprise NAS drive delivers the right amount of enterprise strength at a price that is reasonable for medium-sized businesses. You can feel confident that you are paying for only what you need in an enterprise NAS drive.

Seagate NAS Drive Portfolio			
	Home, SOHO, SMB	Medium Business	Large Enterprise
			
	NAS HDD	Enterprise NAS HDD	Enterprise Capacity HDD
Capacities	2, 3, 4TB	2, 3, 4, 5, 6TB	2, 3, 4, 5, 6TB
Environment	1 to 8 bays, tower NAS	4 to 16 bays, rackmount/tower	>8 bays, rackmount/tower
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s, 12Gb/s SAS
Features and Specifications	NASWorks™ firmware Vibration tolerance with dual-plane balance Error recovery control Advanced power profiles	NAS-optimized performance RV Sensors and RAID Rebuild	Nearline high-IOPS performance RV Sensors and RAID Rebuild PowerChoice™ technology Top cover attached motor
MTBF	1M hours	1.2M hours	2M hours
Warranty, Limited	3 year	5 year	5 year

Enterprise Strong

It's not enough to be the largest hard drive on the block. Drives for medium to large businesses can be holding critical and confidential information about your business and your customers. In some cases it's your company's obligation to protect that data or risk credibility if it gets leaked or even lost. Choosing the right drive to embrace your data depends on how important that data is to you and how much downtime your business can manage.

One option is to choose a low-cost, high-capacity set of drives configured in a RAID NAS that can provide redundancy or recovery by spreading data across a set of drives. If one drive fails, the other drives recover the data by piecing the known data together and essentially rebuilding the information. This can and does slow down the speed of your NAS box. If you happen to have two low-cost drives fail at the same time, there's a good chance you will lose some (if not all) of that data. That's a risk many IT professionals are absolutely unwilling to take. Instead, they choose higher-end drives designed for data centers and very large SAN and scale-out storage architectures. That may be more than you need, but it's a safe choice when so much is riding on the safety of your data.

With the Enterprise NAS HDD, Seagate leverages over 30 years of storage expertise to design a drive that is precisely right for the mid-range NAS tier. Imagine a drive that is enterprise level with technology designed to mitigate its own vibration behavior, that can also sense the surrounding environment and adjust its behavior to compensate for more activity or users reading and writing to the box, thereby ensuring you get sustained performance levels. That's one smart drive.

Rackmount and RAID Ready

There are at least 40 NAS manufacturers in the market today, but the number who serve the mid-range space is around ten key players. Seagate works with the key players to ensure our new platforms are not only tested and approved but also designed to deliver great efficiency of performance, reliability and capacity for mid-range systems. In some cases these mid-range systems can be desktop towers, but most are rackmount designs that can hold as many as 16 drives. Additionally, Seagate works with NAS manufacturers to educate consumers and channel partners on new NAS technology and cutting-edge companies. To participate in

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these online seminars and live webcasts, become a Seagate partner or sign up on Seagate.com to stay informed. Need to know if the Enterprise NAS HDD works in your NAS device? See our NAS partner list (www.seagate.com/internal-hard-drives/nas-drives/nas-hdd/#nassystems).

When You Are Ready for NAS

When you are ready for a NAS solution to take your business to the next level, make sure you choose the right drive to populate your box. You need it to be strong, reliable and easy to integrate. Seagate Enterprise NAS HDDs offer everything you need for mid-range NAS solutions from one vendor.

Seagate Enterprise NAS HDD Models					
Capacity	6TB	5TB	4TB	3TB	2TB
Model Number	ST6000VN0001	ST5000VN0001	ST4000VN0001	ST3000VN0001	ST2000VN0001

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