The Power of Agility for Creative Pro and SME NAS Enclosures

IronWolf™ Pro is designed for everything business NAS. Get used to tough, ready, and scalable 24×7 performance that can handle multi-drive environments across a wide range of capacities.

Best-Fit Applications

- Commercial and enterprise network-attached storage (NAS)
- 1- to 24-bay network attached storage (NAS)
- Backup, archiving, and disaster recovery
- On-premise private cloud
- Virtual storage

Key Advantages

Optimized for NAS with AgileArray™. AgileArray enables dual-plane balancing and RAID optimization in multi-bay environments, with the most advanced power management possible.

Actively protect your NAS with IronWolf Health Management focusing on prevention, intervention, and recovery.[1]

High performance means no lag time or downtime for users during workload traffic for the NAS. Seagate leads the competition with the highest-performing NAS drive portfolio.[2]

Seagate® Rescue Data Recovery.[3] IronWolf Pro comes with extra peace of mind for any mechanical, accidental, or natural disaster. With a 90% success rate of in-house recovery, Seagate has your back with a 2-year included Rescue Data Recovery plan.

Rotational Vibration (RV) sensors. First in its class of drives to include RV sensors to maintain high performance in multi-drive NAS enclosures.[3]

Range of capacities up to 14TB. More capacity options means more choices that will fit within the budget. Seagate provides a scalable solution for any NAS use-case scenario.

Do more in multi-user environments. IronWolf provides a workload rate of 300TB/year. Multiple users can confidently upload and download data to the NAS server, knowing IronWolf can handle the workload, whether you are a creative professional or a small business.

Designed for always on, always accessible 24×7 performance. Access data on your NAS any time, remotely or on site.

1.2M hours MTBF, 5-year limited warranty represents an improved total cost of ownership (TCO) over desktop drives with reduced maintenance costs.

1 Contact your Seagate sales representative for further information.

2 Performance may vary depending on user's hardware configuration and operating system.

3 Registration required to activate. Rescue recovery services not available in all countries. Contact your Seagate sales representative for further details.

Specifications	14TB
Standard Model Number[1]	ST14000NE0008
Interface	SATA 6Gb/s
Features	
Drive Bays Supported	Up to 24-bay
Multi-User Technology (TB/yr)	300
Rotational Vibration (RV) Sensors	Yes
Hot-Plug Support[2]	Yes
Cache (MB)	256
Reliability/Data Integrity	
Mean Time Between Failures (MTBF, hours)	1,200,000
Reliability Rating @ Full 24×7 Operation (AFR)	0.73%
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15
Power-On Hours per Year (24×7)	8760
Sector Size (Bytes per Logical Sector)	512E
Rescue Services[3]	Yes
Limited Warranty (years)	5
Performance	
Spindle Speed (RPM)	7200
Interface Access Speed (Gb/s)	6.0, 3.0, 1.5
Max. Sustained Transfer Rate OD (MB/s)	250MB/s
Average Latency (ms)	4.16
Interface Ports	Single
Rotational Vibration @ 10-1500 Hz (rad/s[2])	12.5
Power Consumption	
Startup Current, Typical (12V, A)	2.0
Idle Power, Average (W)	5.3
Average Operating Power (W)	7.9W
Standby Mode (W)	0.8
Sleep Mode (W)	0.8
Power Supply Requirements	+12 V and +5 V
Environmental/Temperature	
Operating (ambient, min °C)	5
Operating (drive case, max °C)	60
Nonoperating (ambient, min °C)	-40
Nonoperating (ambient, max °C)	70
Environmental/Acoustics	
Vibration, Nonoperating: 10Hz to 500Hz (Grms)	2.27
Idle (typical)[3]	1.8bels
Seek (typical)	2.8bels
Environmental/Shock	
Shock, Operating 2ms (Read/Write) (Gs)	70/40Gs
Shock, Nonoperating, 1ms and 2ms (Gs)	250
Physical	
Height (mm/in)	26.11mm/1.028in
Width (mm/in, max)	101.85mm/4.01in
Depth (mm/in, max)	146.99mm/5.787in
Weight (g/lb)	690g/1.521lb
Carton Unit Quantity	20
Cartons per Pallet/Cartons per Layer	40/8

1 Seagate recommends validating your configuration with your HBA/RAID controller manufacturer to ensure full capacity capabilities.
2 Supports Hot-Plug operation per Serial ATA Revision 2.6 specification.
3 Rescue recovery services not available in all countries. Contact your Seagate sales representative for further details. Register an IronWolf Pro drive to activate your 2-year Rescue plan at seagate.com/register.