Tough. Efficient. Endurance Ready.

IronWolf 125 SSD

NAS-optimised Seagate® IronWolf® 125 SSDs deliver powerhouse performance with 24×7, always-on capability and lead the pack in scalability — meeting your needs and budget.

Best-Fit Applications

- Ultra high endurance NAS
- All-flash array and desktop NAS
- Creative pro, SMB, and SME
- Media server
- SSD cache in enabled NAS

Key Advantages

High Endurance: Powerhouse SSD endurance and performance designed for heavy workloads and multi-user NAS environments

IronWolf Health Management: Embedded software monitors your drive health in compatible NAS, notifying you to intervene before a catastrophic event occurs

Data Recovery: Rest easy with three years of Rescue Data Recovery Services, offering an industry-leading 95% success rate against unexpected data loss from power outages, natural disasters, user error, viruses and more

Wide Range of Capacity Options: Choose from an extensive portfolio of capacities, including 250 GB, 500 GB, 1 TB, 2 TB, and 4 TB

Warranty: Enjoy long-term peace of mind with the included five-year limited warranty

Specifications					
Capacity	4 TB	2 TB	1 TB	500 GB	250 GB
Standard Model	ZA4000NM10002	ZA2000NM10002	ZA1000NM10002	ZA500NM10002	ZA250NM10002
Features					
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm
Performance					
Sequential Read (Max, MB/s), 128 KB QD32[1]	560	560	560	560	560
Sequential Write (Max, MB/s), 128 KB QD32[1]	540	540	540	540	540
Random Read (Max, IOPS), 4 KB QD32[1]	95,000	95,000	95,000	95,000	95,000
Random Write (Max, IOPS), 4 KB QD32[1]	90,000	90,000	90,000	90,000	90,000
Endurance/Reliability					
Total Bytes Written (TB)	5,600	2,800	1,400	700	300
Non-recoverable Read Errors per Bits Read	1 per 10E17	1 per 10E17	1 per 10E17	1 per 10E17	1 per 10E17
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
Rescue Data Recovery Services[2]	Yes	Yes	Yes	Yes	Yes
Warranty, Limited (years)	5	5	5	5	5
Power Management					
Power Supply	5V	5V	5V	5V	5V
+5 Active Max Average Power (W)	2.8	2.6	2.4	2.3	2.3
Average Idle Power (mW)	140	140	130	115	110
DevSleep (mW)	5	5	5	5	5
Environmental					
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	0 to 70	0 to 70
Temperature, Non-operating (°C)	–40 to 85	–40 to 85	–40 to 85	–40 to 85	–40 to 85
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500	1,500
Physical					
Height (mm/in, max)	7.10 mm/0.279 in	7.10 mm/0.279 in	7.10 mm/0.279 in	7.10 mm/0.279 in	7.10 mm/0.279 in
Width (mm/in, max)	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in	70.10 mm/2.759 in
Depth (mm/in, max)	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in
Weight (lb/g)	50g/0.110 lb	50g/0.110 lb	50g/0.110 lb	50g/0.110 lb	50g/0.110 lb

1 Fresh out of box (FOB) performance obtained on newly formatted drive. Performance may vary based on SSD's firmware version, system hardware, and configuration. Performance based on CrystalDiskMark v.6.0.0 ×64 on Windows 10 host.

2 Three-year Rescue Data Recovery Services not available in all countries. Contact your Seagate sales representative for further details.

IRONWOLF
NAS

Ordering Information

Specifications				
Retail Packaging		Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Depth/Length (in/mm)		1 in/24 mm	6 in/153 mm	48 in/1219 mm
Width (in/mm)		4.3 in/109 mm	11.5 in/292 mm	20 in/508 mm
Height (in/mm)		6.10 in/155 mm	5.5 in/140 mm	28 in/706 mm
Weight (lb/kg)		0.22 lb/0.1 kg	2.65 lb/1.2 kg	148 lb/67.28 kg
Quantities				
Boxes per Master Carton	10			
Master Cartons per Pallet	48			
Pallet Layers	4			

System Requirements

- SATA 6 Gb/s or SATA 3 Gb/s port
- Windows® 10, Windows 8.1
- Linux

What's Included

- Seagate® IronWolf® 125 SSD

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA4000NM1A002	4TB	5	763649146880	8719706027151	10763649146887
WW	ZA2000NM1A002	2TB	5	763649146873	8719706027144	10763649146870
WW	ZA1000NM1A002	1TB	5	763649146866	8719706027137	10763649146863
WW	ZA500NM1A002	500GB	5	763649146859	8719706027120	10763649146856
WW	ZA250NM1A002	250GB	5	763649146842	8719706027113	10763649146849

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