IRONWOLF
NAS

DATA SHEET

Tough. Efficient. Endurance Ready.
IronWolf 125 SSD

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

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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

R+ Rescue
DATA RECOVERY SERVICES

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 250GB, 500GB, 1TB, 2TB, and 4TB

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

Specifications					
Capacity	4TB	2TB	1TB	500GB	250GB
Standard Model	ZA4000NM10002	ZA2000NM10002	ZA1000NM10002	ZA500NM10002	ZA250NM10002
Features					
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm
Performance					
Sequential Read (Max, MB/s), 128KB QD32[1]	560	560	560	560	560
Sequential Write (Max, MB/s), 128KB QD32[1]	540	540	540	540	540
Random Read (Max, IOPS), 4KB QD32[1]	95,000	95,000	95,000	95,000	95,000
Random Write (Max, IOPS), 4KB QD32[1]	90,000	90,000	90,000	90,000	90,000
Endurance/Reliability					
Total Bytes Written (TB)	5600	2800	1400	700	300
Nonrecoverable 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, Nonoperating (°C)	−40 to 85	−40 to 85	−40 to 85	−40 to 85	−40 to 85
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500	1500	1500
Physical					
Height (mm/in, max)	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in
Width (mm/in, max)	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in	70.10mm/2.759in
Depth (mm/in, max)	100.35mm/3.950in	100.35mm/3.950in	100.35mm/3.950in	100.35mm/3.950in	100.35mm/3.950in
Weight (g/lb)	50g/0.110lb	50g/0.110lb	50g/0.110lb	50g/0.110lb	50g/0.110lb

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.

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

System Requirements

- SATA 6Gb/s or SATA 3Gb/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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