



DATA SHEET

Uncompromised Endurance. Unparalleled Performance.

IronWolf Pro 125 SSD



NAS-optimized Seagate® IronWolf® Pro 125 SSDs—offering blistering performance, power loss data protection, and multi-user workload support capable of 1 DWPD.



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: 1 DWPD delivers endurance and performance, offering the ideal SSD solution for 24x7, multi-user NAS environments

Power Loss Data Protection: Enjoy peace of mind during a power loss knowing your data can stay safe

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

Data Recovery: Rest easy with three years of Seagate Rescue Data Recovery Services, offering an industry-leading 90% 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 240GB, 480GB, 960GB, 1.92TB, and 3.84TB

Warranty: Enjoy long-term peace of mind with the included five-year limited warranty protection plan and three-year Rescue Data Recovery Services plan



Specifications					
Capacity	3.84TB	1.92TB	960GB	480GB	240GB
Standard Model	ZA3840NX10001	ZA1920NX10001	ZA960NX10001	ZA480NX10001	ZA240NX10001
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 (MB/s) Sustained, 128KB QD32 ¹	545	545	545	545	545
Sequential Write (MB/s) Sustained, 128KB QD32 ¹	520	520	520	500	360
Random Read (IOPS) Sustained, 4KB QD32 ¹	96,000	96,000	96,000	96,000	90,000
Random Write (IOPS) Sustained, 4KB QD32 ¹	30,000	30,000	25,000	16,000	12,000
Endurance/Reliability					
Total Bytes Written (TB)	7000	3500	1750	875	435
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)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Warranty, Limited (years)	5	5	5	5	5
Power Management					
Power Supply	5V	5V	5V	5V	5V
+5V Active Max Average Power (W)	5.0	4.4	4.0	3.0	2.5
Max Average Idle Power (W)	1.9	1.8	1.6	1.4	1.4
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 (in/mm, max)	0.279in/7.10mm	0.279in/7.10mm	0.279in/7.10mm	0.279in/7.10mm	0.279in/7.10mm
Width (in/mm, max)	2.760in/70.10mm	2.760in/70.10mm	2.760in/70.10mm	2.760in/70.10mm	2.760in/70.10mm
Depth (in/mm, max)	3.950in/100.35mm	3.950in/100.35mm	3.950in/100.35mm	3.950in/100.35mm	3.950in/100.35mm
Weight (lb/g)	0.136lb/62g	0.132lb/60g	0.130lb/59g	0.123lb/56g	0.121lb/55g

¹ Performance data is based on testing under certain workload conditions and is subject to change.



Ordering Information			
Specifications			
Retail Packaging	Box Dimensions	Master Carton Dimensions	Pallet Dimensions
Depth/Length (in/mm)	0.944in/24mm	6.023in/153mm	48.03in/1220mm
Width (in/mm)	4.291in/109mm	11.496in/292mm	40.15in/1020mm
Height (in/mm)	6.102in/155mm	5.511in/140mm	55.90in/1420mm
Weight (lb/kg)	0.37lb/0.17kg	4.18lb/1.9kg	956.80lb/434kg
Quantities			
Boxes per Master Carton	10		
Master Cartons per Pallet	216		
Pallet Layers	9		

System Requirements	What's Included
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- SATA 6Gb/s or SATA 3Gb/s port
- Windows® 10, Windows 8.1
- Linux
- Seagate® IronWolf® Pro 125 SSD

Region	Model Number	Capacity	Limited Warranty (years)	UPC Code	EAN Code	Multi-Pack UPC
WW	ZA3840NX1A001	3.84TB	5	763649146989	8719706027250	10763649146986
WW	ZA1920NX1A001	1.92TB	5	763649146972	8719706027243	10763649146979
WW	ZA960NX1A001	960GB	5	763649146965	8719706027236	10763649146962
WW	ZA480NX1A001	480GB	5	763649146958	8719706027229	10763649146955
WW	ZA240NX1A001	240GB	5	763649146941	8719706027212	10763649146948

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