



DATA SHEET

Uncompromised Endurance. Unparalleled Performance.

## IronWolf Pro 125 SSD



NAS-optimised 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

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

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

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

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**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

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**Wide Range of Capacity Options:** Choose from an extensive portfolio of capacities, including 240 GB, 480 GB, 960 GB, 1.92 TB, and 3.84 TB

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

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Specifications					
Capacity	3.84 TB	1.92 TB	960 GB	480 GB	240 GB
Standard Model	ZA3840NX10001	ZA1920NX10001	ZA960NX10001	ZA480NX10001	ZA240NX10001
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 x 7 mm	2.5 in x 7 mm	2.5 in x 7 mm	2.5 in x 7 mm	2.5 in x 7 mm
Performance					
Sequential Read (MB/s) Sustained, 128 KB QD32 <sup>1</sup>	545	545	545	545	545
Sequential Write (MB/s) Sustained, 128 KB QD32 <sup>1</sup>	520	520	520	500	360
Random Read (IOPS) Sustained, 4 KB QD32 <sup>1</sup>	96,000	96,000	96,000	96,000	90,000
Random Write (IOPS) Sustained, 4 KB QD32 <sup>1</sup>	30,000	30,000	25,000	16,000	12,000
Endurance/Reliability					
Total Bytes Written (TB)	7,000	3,500	1,750	875	435
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)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Rescue Data Recovery Services <sup>2</sup>	Yes	Yes	Yes	Yes	Yes
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, 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 (in/mm, max)	0.27 9in/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
Width (in/mm, max)	2.760 in/70.10 mm	2.760 in/70.10 mm	2.760 in/70.10 mm	2.760 in/70.10 mm	2.760 in/70.10 mm
Depth (in/mm, max)	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/100.35 mm
Weight (lb/g)	0.136 lb/62g	0.132 lb/60g	0.130 lb/59g	0.123 lb/56g	0.121 lb/55g

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

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



Ordering Information	
Specifications	
Retail Packaging	Box Dimensions
Depth/Length (in/mm)	0.95 in/24 mm
Width (in/mm)	4.3 in/109 mm
Height (in/mm)	6.11 in/155 mm
Weight (lb/kg)	0.38 lb/0.17 kg
Master Carton Dimensions	
Depth/Length (in/mm)	6.03 in/153 mm
Width (in/mm)	11.5 in/292 mm
Height (in/mm)	5.6 in/140 mm
Weight (lb/kg)	4.2 lb/1.9 kg
Pallet Dimensions	
Depth/Length (in/mm)	48 in/1219 mm
Width (in/mm)	20 in/508 mm
Height (in/mm)	28 in/706 mm
Weight (lb/kg)	148 lb/67.28
Quantities	
Boxes per Master Carton	10
Master Cartons per Pallet	48
Pallet Layers	4

System Requirements	What's Included
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- SATA 6 Gb/s or SATA 3 Gb/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	3.84 TB	5	763649146989	8719706027250	10763649146986
WW	ZA1920NX1A001	1.92 TB	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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