



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)<br>Sustained, 128 KB QD32 <sup>1</sup>  | 545                | 545                | 545                | 545                | 545                |
| Sequential Write (MB/s)<br>Sustained, 128 KB QD32 <sup>1</sup> | 520                | 520                | 520                | 500                | 360                |
| Random Read (IOPS)<br>Sustained, 4 KB QD32 <sup>1</sup>        | 96,000             | 96,000             | 96,000             | 96,000             | 90,000             |
| Random Write (IOPS)<br>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<br>Errors per Bits Read                   | 1 per 10E17        | 1 per 10E17        | 1 per 10E17        | 1 per 10E17        | 1 per 10E17        |
| Mean Time Between<br>Failures (MTBF, hours)                    | 2,000,000          | 2,000,000          | 2,000,000          | 2,000,000          | 2,000,000          |
| Rescue Data Recovery<br>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<br>Power (W)                            | 5.0                | 4.4                | 4.0                | 3.0                | 2.5                |
| Max Average Idle Power<br>(W)                                  | 1.9                | 1.8                | 1.6                | 1.4                | 1.4                |
| Environmental  |                    |                    |                    |                    |                    |
| Temperature, Operating<br>Internal (°C)                        | 0 to 70            | 0 to 70            | 0 to 70            | 0 to 70            | 0 to 70            |
| Temperature, Non-<br>operating (°C)                            | -40 to 85          | -40 to 85          | -40 to 85          | -40 to 85          | -40 to 85          |
| Shock, Non-operating: 0.5<br>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 |
|---------------------|-----------------|
|---------------------|-----------------|

- 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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