

DATA SHEET

Tough. Ready. Scalable.
IronWolf 110 SSD



The Seagate® IronWolf® 110 SSD is designed for everything business NAS, with 24x7 performance to handle multi-user environments across a wide range of capacities.



Key Features and Benefits

- SATA 6Gb/s interface for easy deployment
- Seagate DuraWrite™ lossless data-reduction technology
- Optimised with AgileArray firmware tuned specifically for NAS
- Power loss data protection circuit
- Enterprise-class reliability with 2M-hr. MTBF and a 5-year limited warranty

Best-Fit Applications

- All-flash array NAS
- Tiered caching on enabled NAS
- Creative pro NAS
- Small, medium enterprise NAS

Take your NAS to the next level with the IronWolf 110 SATA SSD, providing pure performance in all-flash array or tiered cache NAS-enabled systems. This enterprise-grade SSD gives you increased durability and peace of mind.

Optimised to Be Tough

Boost the performance of NAS, which requires faster random access performance

Maintain fast, consistent performance for read-intensive and mixed workloads

Choose built-in drive monitoring with enabled NAS with IronWolf Health Management¹

Always Accessible, Always Ready

Require less energy to run on 24x7 NAS, and save on cooling and overall energy cost

Acquire the capacity and endurance to fit a range of applications and workloads

Scalable for Data Growth in NAS

Leverage a wide portfolio to fit your growing business needs

Depend on a 5-year limited warranty and included 2-year Rescue Data Recovery Services

¹ Coming soon on enabled NAS





| Specifications | | | | | |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | 3.84 TB | 1.92 TB | 960 GB | 480 GB | 240 GB |
| Standard Model | ZA3840NM10001 | ZA1920NM10001 | ZA960NM10001 | ZA480NM10001 | ZA240NM10001 |
| 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 ¹ | 560 | 560 | 560 | 560 | 560 |
| Sequential Write (MB/s) Sustained, 128 KB QD32 ¹ | 535 | 535 | 535 | 485 | 230 |
| Random Read (IOPS) Sustained, 4 KB QD32 ¹ | 85000 | 90000 | 90000 | 80000 | 55000 |
| Random Write (IOPS) Sustained, 4 KB QD32 ¹ | 20000 | 20000 | 20000 | 15,000 | 8,000 |
| Endurance/Reliability | | | | | |
| Total Bytes Written (TBW, 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) | 2000000 | 2000000 | 2000000 | 2000000 | 2000000 |
| Rescue Data Recovery Services (years) ² | 2 | 2 | 2 | 2 | 2 |
| Warranty, Limited (years) | 5 | 5 | 5 | 5 | 5 |
| Power Management | | | | | |
| Power Supply | 5V + 12V | 5V + 12V | 5V + 12V | 5V | 5V |
| +5/+12V Active Max Average Power (W) ³ | 3.5 | 3.4 | 3.2 | 2.7 | 2.3 |
| Average Idling Power (W) | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 |
| 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 |
| Temperature Change Rate/Hr, Max (°C) | 20 | 20 | 20 | 20 | 20 |
| Shock, 0.5 ms (Gs) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Physical | | | | | |
| Height (in/mm, max) | 7.00 mm/0.276 in | 7.00 mm/0.276 in | 7.00 mm/0.276 in | 7.00 mm/0.276 in | 7.00 mm/0.276 in |
| Width (in/mm, max) | 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/2.760 in |
| Depth (in/mm, max) | 100.25 mm/3.947 in | 100.25 mm/3.947 in | 100.25 mm/3.947 in | 100.25 mm/3.947 in | 100.25 mm/3.947 in |
| Weight (lb/g) | 82 g/0.180 lb | 77 g/0.169 lb | 77 g/0.169 lb | 75 g/0.165 lb | 75 g/0.165 lb |
| Carton Unit Quantity | 10 | 10 | 10 | 10 | 10 |

¹ Performance data is based on testing under certain workload conditions and is subject to change. Performance assumes that a typical enterprise data workload has 80% entropy.

² Rescue Data Recovery Services not available in all countries. Contact your Seagate sales representative for further details. Register an IronWolf drive to activate your 2-year Rescue Services at seagate.com/register.

³ 3.84 TB, 1.92 TB, and 960 GB capacity points require 12V in addition to 5V power.



| Ordering Information | | | |
|---------------------------|--------------------|---------------------------------------|-----------------------|
| Specifications | | | |
| Retail Packaging | Box Dimensions | Master Carton Dimensions ¹ | Pallet Dimensions |
| Depth/Length (in/mm) | 1.004 in/25.50 mm | 260.0 in/10.236 mm | 47.992 in/1219.00 mm |
| Width (in/mm) | 4.350 in/110.50 mm | 163.0 in/6.417 mm | 40.000 in/1016.00 mm |
| Height (in/mm) | 5.344 in/135.75 mm | 113.0 in/4.449 mm | 46.181 in/1173.00 mm |
| Weight (lb/kg) | 0.279 lb/0.127 kg | 3.201 lb/1.455 kg | 519.860 lb/236.300 kg |
| Quantities | | | |
| Boxes per Master Carton | 10 | | |
| Master Cartons per Pallet | 160 | | |
| Pallet Layers | 8 | | |
| System Requirements | | | |
| What's Included | | | |

- Windows® 10, Windows 8.1, Windows 7
- Linux

- Seagate® IronWolf® 110 SSD

| Region | Model Number | Capacity | Limited Warranty (years) | UPC Code | EAN Code | Multi-Pack UPC |
|--------|---------------|----------|--------------------------|--------------|---------------|----------------|
| WW | ZA3840NM10011 | 3.84 TB | 5 | 763649134061 | 8719706016674 | 10763649134068 |
| WW | ZA1920NM10011 | 1.92 TB | 5 | 763649134054 | 8719706016667 | 10763649134051 |
| WW | ZA960NM10011 | 960GB | 5 | 763649134047 | 8719706016650 | 10763649134044 |
| WW | ZA480NM10011 | 480GB | 5 | 763649134030 | 8719706016643 | 10763649134037 |
| WW | ZA240NM10011 | 240GB | 5 | 763649134023 | 8719706016636 | 10763649134020 |

¹ Inner dimensions

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