

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.



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.

Optimized 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 Data Recovery Services plan

¹ Coming soon on enabled NAS

Key Features and Benefits

- SATA 6Gb/s interface for easy deployment
- Seagate DuraWrite™ lossless data reduction technology
- Optimized 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

DURAWRITE



| Specifications | | | | | |
|--|------------------|------------------|------------------|------------------|------------------|
| Capacity | 3.84TB | 1.92TB | 960GB | 480GB | 240GB |
| Standard Model | ZA3840NM10001 | ZA1920NM10001 | ZA960NM10001 | ZA480NM10001 | ZA240NM10001 |
| 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 | 560 | 560 | 560 | 560 | 560 |
| Sequential Write (MB/s) Sustained, 128KB QD32 ¹ | 535 | 535 | 535 | 485 | 230 |
| Random Read (IOPS) Sustained, 4KB QD32 ¹ | 85000 | 90000 | 90000 | 80000 | 55000 |
| Random Write (IOPS) Sustained, 4KB QD32 ¹ | 20000 | 20000 | 20000 | 15000 | 8000 |
| Endurance/Reliability | | | | | |
| Total Bytes Written (TBW, 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) | 2000000 | 2000000 | 2000000 | 2000000 | 2000000 |
| 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) ² | 3.5 | 3.4 | 3.2 | 2.7 | 2.3 |
| Average Idle 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, Nonoperating (°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, 0.5ms (Gs) | 1000 | 1000 | 1000 | 1000 | 1000 |
| Physical | | | | | |
| Height (in/mm, max) | 7.00mm/0.276in | 7.00mm/0.276in | 7.00mm/0.276in | 7.00mm/0.276in | 7.00mm/0.276in |
| Width (in/mm, max) | 70.10mm/2.760in | 70.10mm/2.760in | 70.10mm/2.760in | 70.10mm/2.760in | 70.10mm/2.760in |
| Depth (in/mm, max) | 100.25mm/3.947in | 100.25mm/3.947in | 100.25mm/3.947in | 100.25mm/3.947in | 100.25mm/3.947in |
| Weight (lb/g) | 82g/0.180lb | 77g/0.169lb | 77g/0.169lb | 75g/0.165lb | 75g/0.165lb |
| 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 3.84TB, 1.92TB, and 960GB 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) | 1.004in/25.50mm | 260.0in/10.236mm | 47.992in/1219.00mm |
| Width (in/mm) | 4.350in/110.50mm | 163.0in/6.417mm | 40.000in/1016.00mm |
| Height (in/mm) | 5.344in/135.75mm | 113.0in/4.449mm | 46.181in/1173.00mm |
| Weight (lb/kg) | 0.279lb/0.127kg | 3.201lb/1.455kg | 519.860lb/236.300kg |
| 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 | 3.84TB | 5 | 763649134061 | 8719706016674 | 10763649134068 |
| WW | ZA1920NM10011 | 1.92TB | 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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