The Seagate® IronWolf® 110 SSD is designed for everything business NAS, with 24×7 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 Management

**Always Accessible, Always Ready**

- Require less energy to run on 24×7 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

### 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
### Specifications

#### Capacity
<table>
<thead>
<tr>
<th>Capacity</th>
<th>3.84TB</th>
<th>1.92TB</th>
<th>960GB</th>
<th>480GB</th>
<th>240GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Model</td>
<td>ZA3840NM10001</td>
<td>ZA1920NM10001</td>
<td>ZA960NM10001</td>
<td>ZA480NM10001</td>
<td>ZA240NM10001</td>
</tr>
</tbody>
</table>

#### Features
- **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**: 560, 560, 560, 560, 560
- **Sequential Write (MB/s) Sustained, 128KB QD32**: 535, 535, 535, 485, 230
- **Random Read (IOPS) Sustained, 4KB QD32**: 85000, 90000, 90000, 80000, 55000
- **Random Write (IOPS) Sustained, 4KB QD32**: 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)**: 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

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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

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Box Dimensions</th>
<th>Master Carton Dimensions</th>
<th>Pallet Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth/Length (in/mm)</td>
<td>1.004in/25.50mm</td>
<td>260.0in/10.236mm</td>
<td>47.992in/1219.00mm</td>
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<tr>
<td>Width (in/mm)</td>
<td>4.350in/110.50mm</td>
<td>163.0in/6.417mm</td>
<td>40.400in/1016.00mm</td>
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<tr>
<td>Height (in/mm)</td>
<td>5.344in/135.75mm</td>
<td>113.0in/4.449mm</td>
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<tr>
<td>Weight (lb/kg)</td>
<td>0.279lb/0.127kg</td>
<td>3.201lb/1.455kg</td>
<td>519.860lb/236.300kg</td>
</tr>
</tbody>
</table>

### System Requirements
- Windows® 10, Windows 8.1, Windows 7
- Linux
- Seagate® IronWolf® 110 SSD

### What's Included

- Seagate® IronWolf® 110 SSD

<table>
<thead>
<tr>
<th>Region</th>
<th>Model Number</th>
<th>Capacity</th>
<th>Limited Warranty (years)</th>
<th>UPC Code</th>
<th>EAN Code</th>
<th>Multi-Pack UPC</th>
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</thead>
<tbody>
<tr>
<td>WW</td>
<td>ZA3840NM10011</td>
<td>3.84TB</td>
<td>5</td>
<td>763649134061</td>
<td>8719706016674</td>
<td>10763649134068</td>
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<tr>
<td>WW</td>
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<td>1.92TB</td>
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<tr>
<td>WW</td>
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<td>960GB</td>
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<td>WW</td>
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<td>480GB</td>
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<tr>
<td>WW</td>
<td>ZA240NM10011</td>
<td>240GB</td>
<td>5</td>
<td>763649134023</td>
<td>8719706016636</td>
<td>10763649134020</td>
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</tbody>
</table>

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