Seagate® Exos™ X 5U84 is the datasphere’s ultra-dense, intelligent solution for maximum capacity and performance at an exceptionally low TCO.

Key Advantages

**Maximum Capacity and Consistent High Performance.** Up to 1.3PB\(^1\) of data in a single 5U enclosure with throughputs reaching 7GB/s sequential read, and 5.5GB/s sequential write and up to 99.999% high availability. Easily expand to accommodate data proliferation with three additional Exos X 5U84 systems for a total capacity of 2PB.

**Cost-Optimized Architecture.** This flexible solution is perfect for businesses with demanding streaming environments that require high read and write throughput, while still needing considerable storage space. Built to ensure all space is used to its maximum potential, application access to data is virtually instantaneous, ensuring IT and end users can work efficiently.

**Easy to Set Up, Maintain, and Expand.** All system components—the enclosure, the controller, the firmware, and the drives—are developed and optimized by our engineers to work together seamlessly. This reduces support calls and eliminates technical learning curves. Modular architecture makes components interchangeable between systems, and upgrades are simple due to common FRUs, PCMs, controllers, and software.

**Get Data to Applications Fast and Protect Valuable Assets.** This system is full of features that enable applications to access data with up to a 99.999% availability design. Parallel architecture, multi-core processing, data replication, and fast streaming make access to data unfettered, while exclusive Seagate ADAPT data protection technology delivers fast drive rebuilds that virtually eliminate system downtime.

**Build In Security at the Foundation of the Data Life Cycle.** Protect the most valuable business assets with Seagate Secure™ cybersecurity features and intelligent firmware—such as SFTP, SED support, and administrator access controls—that provide built-in security measures for reliable and safe file access, transfer, and management.

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1 When using Exos 16TB drives

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**Product Highlights**

- Expand a data center seamlessly with single enclosures that host up to 1.3PB\(^1\) of data
- Efficiently manage hot and cold data with real-time data tiering option
- Deliver unfettered data access with dual redundant controllers capable of achieving up to 7GB/s sequential read, 5.5GB/s sequential write performance
- Rebuild drives faster than ever and reduce downtime with Seagate ADAPT data protection technology
- Opt for replication and snapshot features to meet critical enterprise requirements
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4005/5005 Controller Performance</strong></td>
<td>7GB/s read throughput</td>
</tr>
<tr>
<td><strong>Expansion BODs</strong></td>
<td>J1284 (5U84)</td>
</tr>
<tr>
<td><strong>Advanced Features</strong></td>
<td>Thin provisioning</td>
</tr>
<tr>
<td><strong>High-Availability Features</strong></td>
<td>Redundant hot-swap controllers</td>
</tr>
<tr>
<td><strong>Device Support</strong></td>
<td>SAS HDD</td>
</tr>
<tr>
<td><strong>Data Protection</strong></td>
<td>Seagate ADAPT</td>
</tr>
<tr>
<td><strong>System Configuration (84, 3.5-in devices)</strong></td>
<td>Up to 84 drives per chassis</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>222.3mm / 8.75 in</td>
</tr>
<tr>
<td>Width</td>
<td>444.5mm / 17.5 in</td>
</tr>
<tr>
<td>Depth</td>
<td>981mm / 38.63 in</td>
</tr>
<tr>
<td>Width w/ear mounts</td>
<td>483mm / 19.01 in</td>
</tr>
<tr>
<td>RBOD weight</td>
<td>82kg / 180 lb</td>
</tr>
<tr>
<td>RBOD weight (with drives)</td>
<td>135kg / 298 lb</td>
</tr>
<tr>
<td>EBOD weight</td>
<td>80kg / 175 lb</td>
</tr>
<tr>
<td>EBOD weight (with drives)</td>
<td>130kg / 287 lb</td>
</tr>
</tbody>
</table>

### Device Support

- SAS HDD
- NL-SAS HDD
- SAS SSD

### Data Protection

- Seagate ADAPT
- RAID levels supported: 0, 1, 3, 5, 6, 10, and 10

### Device Support

- SAS HDD
- NL-SAS HDD
- SAS SSD

### Management

- **Interface Types**
  - 10/100/1000 Ethernet, Mini USB
- **Protocols Supported**
  - SNMP, SSL, SSH, SMTP, HTTP(S)
- **Management Consoles**
  - Web GUI, CLI
- **Management Software**
  - Seagate Systems storage management console | Remote diagnostics | Nondisruptive updates | Volume expansion

### Power Requirements—AC Input

- Input Power Requirements: 180VAC-240VAC, 50Hz/60Hz
- Max Power Output per PSU: 2200W

### Environmental/Temperature Ranges

- Operating/Nonoperating Temperature: ASHRAE A2, 5°C to 35°C (41°F to 95°F), derate 1°C/300m above 900m, 20°C/hr max rate of change / –40°C to 70°C (–40°F to 158°F)
- Operating/Nonoperating Humidity: –12°C DP and 8% RH to 21°C DP and 80% RH, max DP 21°C / 5% to 100% noncondensing
- Operating/Nonoperating Shock: 5 Gs, 10ms, half sine pulses / 20 Gs, 10ms, half sine pulses
- Operating/Nonoperating Vibration: 0.21 Gs rms 5Hz to 500Hz random / 1.04 Gs rms 2Hz to 200Hz random

### Standards/Approvals

- **Safety Certifications**
  - UL 60950-1 (United States) | CAN/CSA-C22.2 No.60950-1-07 (Canada) | EN 60950-1 (European Union) | IEC 60950-1 (International) | CCC (China PRC – CCC Power Supplies) | BIS (India – BIS Power Supplies)
- **Ecodesign**
- **Emissions (EMC)**
  - FCC CFR 47 Part 15 Subpart B Class A (United States) | ICES/NMB-003 Class A (Canada) | EN 55032 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3 (Europe) | AS/NZS CISPR 32 Class A (Australia/New Zealand) | VCCI Class A (Japan) | KN 32 Class A/KN 35 (S. Korea) | CNS 13438 Class A (Taiwan)
- **Harmonics**
  - EN 61000-3-2 (EU)
- **Flicker**
  - EN 61000-3-3 (EU)
- **Immunity**
  - EN 55024 (EU) | KN 24/KN 35 (S. Korea)
- **Environmental Standards**
- **Standard Marks/Approvals**
  - Australia/New Zealand (RCM), Canada (cUL/ICES/NMB-003 Class A), China (CCC – PSU only), European Union (CE), Japan (VCCI), South Korea (KC), Taiwan (BSMI), United States (FCC/UL)