



DATA SHEET

Integrated. Efficient. Intelligent.

Exos X 2U24



Seagate® Exos™ X 2U24 is the datasphere's favorite entry-level solution for right-sized storage performance at an exceptional price point.



Product Highlights

- Expand a data center seamlessly with flexible hard drive and hybrid flash configuration options
- Efficiently manage hot and cold data with real-time data tiering feature 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

Key Advantages

Maximum Capacity and Consistent High Performance. Leverage both speed and performance at a budget-friendly price. This system enables the smallest business to the largest data center to efficiently deliver data to applications at 320K maximum IOPS in a hybrid configuration, the best price/performance system in its class on the market today. By seamlessly adapting from hybrid flash to all-hard drive configurations, this nimble system flexes as use cases evolve and capacity needs increase.

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 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 extreme cost efficiency and up to 99.999% data availability. Parallel architecture, multi-core processing, data replication, and fast streaming make access to data unfettered, while exclusive Seagate ADAPT data protection technology enables fast and efficient 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.



| Specifications | |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3005 Controller Performance | 3.5GB/s read throughput 3GB/s write throughput |
| 4005 Controller Performance | 7GB/s read throughput 5.5GB/s write throughput |
| Expansion BODs | J1224 (2U24) Maximum of 3x 2U24 EBODs (3005), 9x 2U24 EBODs (4005) |
| Advanced Features | Thin provisioning Snapshots Asynchronous replication |
| High-Availability Features | Redundant hot-swap controllers Redundant hot-swap drives, fans, power Dual power cords Hot standby spare Automatic failover Multi-path support |
| Device Support | SAS HDD NL-SAS HDD SAS SSD |
| Data Protection | Seagate ADAPT RAID levels supported: 0, 1, 3, 5, 6, 10, and 50 |
| System Configuration (24, 2.5-in devices) | Up to 24 drives per chassis 57.6TB max capacity per chassis (based on 2.4TB HDDs) |
| Physical | Height: 87.9mm / 3.46 in Width: 443mm / 17.44 in Depth: 630mm / 24.8 in Width w/ear mounts: 483mm / 19.01 in Weight: 17kg / 38 lb Weight (with drives): 30kg / 66 lb |
| Hosts | |
| External Ports | 4 per system (3005), 8 per system (4005) |
| Fibre Channel Models | Host speed: 16Gb/s, 8Gb/s Fibre Channel Interface type: SFP+ |
| iSCSI Models | Host speed: 10Gb/s, 1Gb/s iSCSI Interface type: SFP+ |
| SAS Models (4005 only) | Host speed: 12Gb/s, 6Gb/s SAS Interface type: HD Mini-SAS |
| System Configuration | |
| System Memory | 16GB per system |
| Volumes per System | 1024 |
| Cache | Mirrored cache: Yes Supercapacitor cache backup: Yes Cache backup to flash: Yes – nonvolatile |
| 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 | 100V-240V AC 50Hz/60Hz (346W maximum continuous) |
| Heat Dissipation | 1181 BTUs/hour Gold-rated power supplies |
| Environmental/Temperature Ranges | |
| Operating/Nonoperating Temperature | RBOD: 5°C to 35°C (41°F to 95°F), EBOD: 5°C to 40°C (41°F to 104°F) / -40°C to +70°C (-40°F to +158°F) |
| Operating/Nonoperating Humidity | 20% to 80% noncondensing / 5% to 100% noncondensing |
| Operating/Nonoperating Shock | 5.0 Gs, 10ms, half sine pulses (Y-axis) / 30.0 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) |
| 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 | The RoHS Directive (2011/65/EU) The WEEE Directive (2012/19/EU) The REACH Directive (EC/1907/2006) The Batteries Directive (2006/66/EC) |
| 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) |

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