



DATA SHEET

Efficient. Agile. Scalable.
Exos E 4U106



Seagate® Exos™ E 4U106 is the datasphere's largest building block delivering industry-first capacity and density without sacrificing data access speed.



Product Highlights

- Scale your data center with this very high density storage platform
- Minimize a data center's footprint and power consumption while maximizing storage space
- Eliminate efficiency-draining acoustic interference with the proprietary noise attenuator
- Maintain your data center easily with toolless drive carriers that save hours of time
- Ensure data is constantly available with hot-swappable controllers, PSUs, system fan modules, drives, and expander cards

Key Advantages

Build Exabyte-Scale Data Centers Fast. Increase the amount of data that fits in a 4U rack by leveraging up to 106 of our high-capacity hard drives in a single enclosure that holds up to an unprecedented 1.4PB¹ of business intelligence. With an overall maximum bandwidth of 36GB/s, you can access mission-critical and archival data with lightning speed.

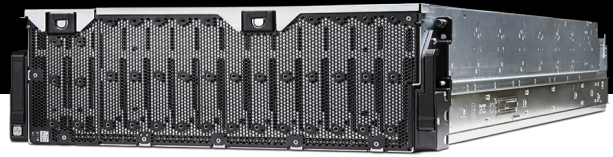
Deliver Versatile Architecture Built to Grow. This flexible enclosure includes support and capabilities to manage cables, universal ports, self-configuration controls, and standardized zoning. As the largest building block of our modular systems—which make all critical components interchangeable regardless of size or budget—this platform sets the new standard for data center solutions with extremely high density and capacity, all with unparalleled reliability and performance.

Easy to Set Up, Maintain, and Expand. This system's user-focused design reduces support calls and minimizes system downtime. Its modularity makes it first-in-class for reliability, easy setup, maintenance, and expansion via hot-swappable expanders and dual data paths, as well as redundant I/O modules, fans, and power supplies. Additionally, this system features toolless drive carriers that allow an administrator to snap drives into the 106 bays in seconds.

Reduce Cost and Resources With Energy-Efficient Features. This enclosure is suited for high data retention requirements that are expected to grow. Innovative drive placement maximizes airflow and minimizes power consumption, and unique performance, efficiency, and scalability features provide an unprecedented low TCO.

Build In Security at the Foundation of the Data Life Cycle. Protect your most valuable business assets with Seagate Secure™ cybersecurity features.

¹ When using Exos 14TB drives



| Specifications | |
|---|---|
| Redundant Path | Yes (SAS only) |
| Host/Expansion I/O Ports | Includes four x4 mini-SAS HD I/O connectors |
| Management Ports | Includes two x1G Ethernet RJ-45 ports |
| Management/Status Reporting | Out-of-band CLI via management port and in-band SCSI Enclosure Services |
| Device Support | 6Gb/s SAS and 12Gb/s SAS drives |
| Max Drives per Enclosure | 106 (for a full list of supported drives, please contact your account or sales manager) |
| Hot-Swappable Components | Hard drives, power supply units (PSUs), cooling modules, side-plane expanders, and I/O modules |
| Physical | Height (with top cover): 176.4mm / 6.95 in Width (without ears and rails): 441mm / 17.4 in Depth (with handles, without cables): 1139mm / 44.8 in Weight 64kg / 140 lb Weight (with drives): 150kg / 330 lb |
| Power Requirements | |
| Input Power Requirements | 200V-240V AC 50Hz/60Hz |
| Max Power Output per PSU | 2kW |
| Environmental/Temperature Ranges | |
| Operating/Nonoperating Altitude | -100m to 3000m (-330 ft to 10,000 ft) / -100m to 12,192m (-330 ft to 40,000 ft) |
| Operating/Nonoperating Temperature | -40°C to 70°C (max rate of change: 20°C) / 5°C to 35°C (de-rated by 1°C per 300m above 900m) |
| Operating/Nonoperating Humidity | 10% to 80% noncondensing / 5% to 100% noncondensing |
| Operating/Nonoperating Shock ¹ | 3 Gs, 11ms (per axis) / 15 Gs, 7ms, 10 shock pulse |
| Operating/Nonoperating Vibration ² | 0.1 Gs rms, 5Hz to 500Hz, 30 min per axis / 0.54 Gs rms, 6Hz to 200Hz |
| 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) |
| Environmental Standards | The RoHS Directive (2011/65/EU) The WEEE Directive (2012/19/EU) The REACH Directive (EC/1907/2006) |
| 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) |
| Country Approvals | United States, Canada, European Union (EU), Australia/New Zealand, Japan, China (PRC), Russia, Mexico, Germany, South Korea, Taiwan, India |

¹ Nonoperating shock measured with 2 shocks per axis X, Y in positive and negative direction and 2 shocks in positive Z axis

² Nonoperating vibration measured with chassis mounted on test fixture for 4 hrs in each axis (ISTA 3E)

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