



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 centre with this very high density storage platform
- Minimise a data centre's footprint and power consumption while maximising storage space
- Eliminate efficiency-draining acoustic interference with the proprietary noise attenuator
- Maintain your data centre 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 Centres 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 1.9 PB¹ of business intelligence. With an overall maximum bandwidth of 36 GB/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 standardised 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 centre 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 minimises 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 maximises airflow and minimises 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 18 TB drives



Specifications	
Redundant Path	Yes (SAS only)
Host/Expansion I/O Ports	Four x4 mini-SAS HD Expansion I/O connectors per I/O module
Management/Status Reporting	In-band SCSI Enclosure Services
Device Support	12 Gb/s SAS drives (contact your account or sales manager about 6 Gb/s SATA)
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): 176.4 mm / 6.95 in Width (without ears and rails): 441 mm / 17.4 in Depth (with handles, without cables): 1,139 mm / 44.8 in Weight 45 kg / 99 lb Weight (with drives): 141 kg / 310 lb ¹
Power Requirements	
Input Power Requirements	200VAC-240VAC, 50Hz/60Hz
Max Power Output per PSU	2000W
Environmental/Temperature Ranges	
Operating/Non-operating Altitude	-100 m to 3,000 m (-330 ft to 10,000 ft) / -100 m to 12,192 m (-330 ft to 40,000 ft)
Operating/Non-operating Temperature	ASHRAE A2, 5°C to 35°C (41°F to 95°F) derate 1°C for every 300m above 900m / -40°C to +70°C (-40°F to +158°F)
Operating/Non-operating Humidity	-12°C DP and 8% RH to 21°C DP and 80% RH, Max DP 21°C, Max rate of change (°C/hr): 5/20 / 5% to 100% non-condensing
Operating/Non-operating Shock ²	3 Gs, 11 ms (per axis) / 15 Gs, 7 ms, 10 shock pulse
Operating/Non-operating Vibration ³	0.18 Gs rms, 5Hz to 500Hz, 30 min per axis / 0.54 Gs rms (in Z) 0.25 Gs rms (in X & Y), 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)
Ecodesign	Commission Regulation (EU) 2019/424 (Directive 2009/125/EC)
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 Weight with drives includes CMA and rack rails, as well as 1.8 lb per drive.

² Non-operating shock measured with 2 shocks per axis X, Y in positive and negative direction and 2 shocks in positive Z axis

³ Non-operating vibration measured with chassis mounted on test fixture for 4 hrs in each axis (ISTA 3E)

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