



DATA SHEET

High-density storage engineered for the data demands of tomorrow.

Exos 4U74 and 4U100



Exos 4U74 and 4U100 are the most comprehensive storage solutions for tomorrow's data demands. Engineered by Seagate, these ultra-dense SAS-4 JBOD systems combine next-gen Mozaic drive readiness with energy-efficient design for AI, edge and sovereign data infrastructure.



Built for:

- Data consolidation and infrastructure refresh
- Hybrid cloud repatriation and tiered storage
- Edge aggregation and compliance-driven deployments
- Managed service scaling and modular expansion

Key Advantages

Industry-leading capacity 3.2 PB in a single enclosure, engineered by Seagate. Built to accommodate today's largest drives and tomorrow's innovations.

Customisable & configurable Support for deployment of either SAS or SATA drives. Pre-configured SAS zoning for streamlined deployment.

Operational efficiency Up to 30% lower power consumption and 70% improved cooling efficiency compared to previous generations. Optimised airflow and best-in-class watts-per-terabyte performance. Designed to reduce OpEx and minimise TCO.

Simplified deployment Enclosure options for 1 m and 1.2 m rack depth. Built-in carrier and internal cable management. Toolless access and drawer-style serviceability. Built for flexibility across OCP racks, standard data centres and edge deployments. Configurable for diverse workload requirements.

Enterprise-grade security Seagate Secure™ component certificate. In-band via SES/out-of-band management via Redfish. Compliance-ready for air-gapped and sovereign data deployments.



Specifications	Up to 3.2PB												
Chassis Specifications													
Operation	High Availability (SAS), Non-High Availability (SATA or SAS)												
Host Interface - I/O Ports	Dual redundant I/O Modules (IOM) 4x Mini-SAS HD port per IOM (24 Gb/s, 12 Gb/s, 6 Gb/s SAS speeds supported)												
Management/Status Reporting	SCSI enclosure services (in-band) Redfish API, SSH CLI (out of band via Ethernet)												
Drive Interface	12 Gb/s SAS 6Gb/s SATA 24 Gbps SAS SSDs												
Max Drives per Enclosure	100 x 3.5in drive bays 74 x 3.5in drive bays up to 26 SSD for a full list of supported drives, please contact your account or sales manager												
LED Indicators	Front: System Power, Host connectivity, System ID, Fault-drawer, Fault Application, Fault-Rear panel Rear: IOM (Power, Fault, mini-SAS-HD Port activity, mini-SAS-HD Port Fault) RJ45 (Speed, Activity) Fan (Fault) PSU(Power, Fault) Drive: ID, Fault Expander Module LED: Expander Power, Fault												
Physical Dimensions and Weight	<table border="0"> <tr> <td style="text-align: center;">4U100</td> <td style="text-align: center;">4U74</td> </tr> <tr> <td style="text-align: center;">Height: 175.5 mm/6.91 in</td> <td style="text-align: center;">Height: 175.5 mm/6.91 in</td> </tr> <tr> <td style="text-align: center;">Width: 448.5 mm/17.66 in</td> <td style="text-align: center;">Width: 448.5 mm/17.66 in</td> </tr> <tr> <td style="text-align: center;">Depth: 1146.0 mm/45.12 in</td> <td style="text-align: center;">Depth: 932.0 mm/36.69 in</td> </tr> <tr> <td style="text-align: center;">Weight (without drives): 59.9 kg / 132 lbs</td> <td style="text-align: center;">Weight (without drives): 49.9 kg / 110 lbs</td> </tr> <tr> <td style="text-align: center;">Weight (with drives): 125.6 kg/277 lbs</td> <td style="text-align: center;">Weight (with drives): 98.9 kg / 218 lbs</td> </tr> </table>	4U100	4U74	Height: 175.5 mm/6.91 in	Height: 175.5 mm/6.91 in	Width: 448.5 mm/17.66 in	Width: 448.5 mm/17.66 in	Depth: 1146.0 mm/45.12 in	Depth: 932.0 mm/36.69 in	Weight (without drives): 59.9 kg / 132 lbs	Weight (without drives): 49.9 kg / 110 lbs	Weight (with drives): 125.6 kg/277 lbs	Weight (with drives): 98.9 kg / 218 lbs
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Serviceability	Hot swappable components: Drives (HDD/SSD), IOM, power supply units (PSU), fans, link expansion modules (LEM) Cable Management (CMA): No external cable management required												
Cooling													
Enclosure	4 dual-impeller enclosure fans, front-to-rear cooling												
Power Supply	Dual PSUs with built-in fans												
Power Requirements													
Input Power Requirements	200-240VAC, 50Hz/60Hz												
Max Power Output per PSU	1800W												
Power Supply Units	2x Ecodesign 1800W PSU Model No. CSU1800AT-3 Power Efficiency: 80+ Titanium Power Factor Correction (PFC): ≥ 0.95 for 20% loading or above 2x Ecodesign 1800W PSU Model No. TEC1800-12-074NA Power Efficiency: 80+ Titanium Power Factor Correction (PFC): ≥ 0.95 for 20% loading or above												
Environmental Requirements													
Operating/Nonoperating 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/Nonoperating Temperature	ASHRAE A2, 10°C to 35°C (50°F to 95°F), derate 1°C per 300m above 900m, 20°C/hr max rate of change / -40°C to 70°C (-40°F to 158°F) ASHRAE A3 under certain conditions ¹												
Operating/Nonoperating Humidity	-12°C DP min and 8% RH to 21°C DP max and 80% RH / 5% RH to 100% RH (non condensing) and max 29°C DP												
Operating/Nonoperating Shock ²	5 Gs, half sine, 11ms / X/Y axis: +/- 12Gs, half sine, 11ms; Z-axis: 20Gs, half sine, 7ms												
Operating/Nonoperating Vibration ³	Random Vibration - 0.18gRMS, 10-500Hz, 30 min each axis / Random Vibration - Z-axis - 0.78gRMS, 5-200Hz, 30 mins; X/Y-axis - 0.25gRMS, 5-200Hz, 30 mins each												
Sound Power	Sound Power <78 dBA at 27C ambient and nominal HDD workload. (NEBS)/Sound Pressure <85 dBA at 23C ambient and nominal HDD workload. (OSHA)												
Standards/Approvals													
Safety Certifications	UL 62368-1 (United States) CAN/CSA-C22.2 No. 62368-1:19 (Canada) EN 62368-1 (European Union) IEC 62368-1 (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 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 CNS 13438 Class A (Taiwan)												
Immunity	EN 55024 (EU) KN 24/KN 35 (S. Korea) CISPR 24/CISPR35												
Environmental Standards ⁴	EU RoHS Directive (2011/65/EU) EU WEEE Directive (2012/19/EU) EU REACH Regulation (EC) No 1907/2006 EU WFD (2008/98/EC) EU POPs Regulation (EU) 2019/1021												
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	Australia/New Zealand (RCM), Canada (cUL/ICES/NMB-003 Class A), China (CCC – PSU only), European Union (CE), Germany (GS), Japan (VCCI), South Korea (KC), Taiwan (BSMI), United States (FCC/UL), The Eurasian Economic Union (EAC), India (BIS)												

1 ASHRAE A3 compliant, 5°C to 40°C, drate 1°C per 175 m above 900 m, <=9W per drive power consumptions (extreme conditions), with all fan units functional, for current and future HDD generations upto (including) Mozaic 4+.

2 Operating: 10 shocks in +/- X,Y axis, 10 shocks in +Z - 50 total shocks/Nonoperating Shock: 6 shocks in +/- XY axis (24 total shocks), 2 shocks Z-axis

3 Operating: Sine Sweep - Z-axis - 0.17g, 5-50Hz, 1 octave/minute, 25 up and 25 down; X/Y-axis - 0.12g, 5-50Hz, 1 octave/minute, 25 up and 25 down/
Non-operating Sine Sweep - Z-axis - 0.6g, 5-50Hz, 1 octave/minute, 25 up and 25 down; X/Y-axis - 0.3g, 5-50Hz, 1 octave/minute, 25 up and 25 down (Sine sweep are not pass/fail criteria and is used for engineering purposes.

4 For the full list of environmental standards, please contact your account manager or sales representative.

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