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

Customizable & 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. Optimized airflow and best-in-class watts-per-terabyte performance. Designed to reduce OpEx and minimize TCO.

Simplified deployment Enclosure options for 1m and 1.2m rack depth. Built-in carrier and internal cable management. Toolless access and drawer-style serviceability. Built for flexibility across OCP racks, standard data centers, 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 (24Gb/s, 12Gb/s, 6Gb/s SAS speeds supported)	
Management/Status Reporting	SCSI enclosure services (in-band) Redfish API, SSH CLI (out of band via Ethernet)	
Drive Interface	12Gb/s SAS 6Gb/s SATA 24Gbps 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	4U100 Height: 175.5mm / 6.91in Width: 448.5mm / 17.66in Depth: 1146.0mm / 45.12in Weight (without drives): 59.9kg / 132lbs Weight (with drives): 125.6kg / 277lbs	4U74 Height: 175.5mm / 6.91 in Width: 448.5mm / 17.66in Depth: 932.0mm / 36.69in Weight (without drives): 49.9kg / 110lbs Weight (with drives): 98.9kg / 218lbs
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# CSU1800AT-3 Power Efficiency: 80+ Titanium Power Factor Correction (PFC): ≥ 0.95 for 20% loading or above 2x Ecodesign 1800W PSU Model# TEC1800-12-074NA Power Efficiency: 80+ Titanium Power Factor Correction (PFC): ≥ 0.95 for 20% loading or above	
Environmental Requirements		
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	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, 30min 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 175m above 900m, <=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/

Nonoperating: 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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