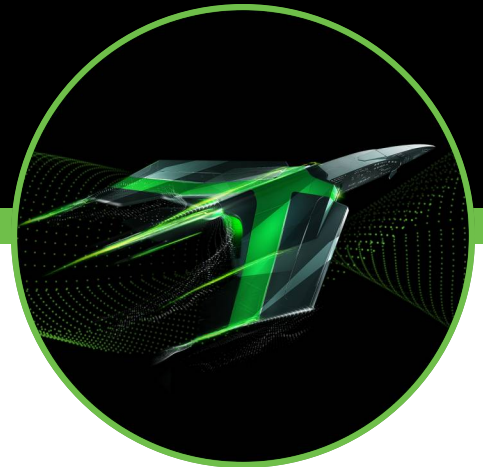




DATA SHEET

Integrated Storage Server **Exos AP 2U24**



Seagate® Exos® AP 2U24 is the data sphere's value rich performance storage server. Leverage the latest drive technologies, and modern compute in a cost-effective, scalable 2U, 24-drive rack mounted storage enclosure.



Best-Fit Applications

- Small footprint high performance applications
- High-bandwidth, low-latency environments
- 4K and 8K workflows, medical offices, surveillance
- Image sequence processing, M&E.

Key Advantages

Harness fast data transfers with with Seagate SSD drives and 12Gb/s SAS interface performance.

Build an efficient compute and storage environment with modern processing power and mass storage.

Select controller performance and high-availability options to suit.

Support modern network infrastructures with 10GbE, 25GbE, and 100GbE I/O options.

Modular solution is easily serviceable allowing for interchangeability with other Exos products. Ensure data is constantly available with hot-swappable power, and system fan modules, drives, and expander cards

Right-size your compute and storage configuration by purchasing only what you need.

Reduce Power Consumption 80 PLUS Platinum power supply option with certified adaptive cooling technology.



Specifications											
Controller Specifications											
Controllers	One or two AP-BV-1 Controllers, redundancy optional										
CPU	AMD SP3 7292P EPYC CPU (12,16 Core)										
Memory	4 x DDR4 - 3200MHz DIMM slots - 32,64,128GB DIMM support										
Internal Boot Drive	Single or Dual M.2 NVMe SSD for Redundant Boot/Logs										
Onboard I/O	On-board NVidia CX4 Dual Port 10/25GbE I/O, / 2x 1GbE onboard connections (Management / Data)										
PCIe Expansion	One low-profile, half-length PCI Express Gen 4 x16 Host Interface Slot One OCP v2.0 Gen 4x8 host interface slot										
Storage Infrastructure	Gen 4 x8 PCIe Lanes to 12G Broadcom SAS Controller, Dual 12G x4 Mini-SAS HD External Expansion Ports										
Inter-Controller Link	PCI Express Gen 3 x16 NTB Inter-controller Interface										
Chassis Specifications											
Redundant Path	Yes (SAS only)										
Management/Status Reporting	Redfish API + IPMI & SES										
Device Support	12Gb/s SAS and 6Gb/s SATA SSDs										
Max Drives Per Enclosure	up to 24 x 2.5-in SFF drives (for a full list of supported drives, please contact your account or sales manager)										
Hot-Swappable Components	SSDs (in chassis data slots), power supply and cooling modules units (PCU), controllers										
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										
Power Requirements—AC Input											
Input Power Requirements	100V-240V AC 60Hz/50Hz										
Max Power Output per PSU	764W										
Environmental/Temperature Ranges											
Operating/Nonoperating Temperature	ASHRAE A2, 5°C to 35°C (41°F to 95°F), derate 1°C/300m above 900m, 20°C/hr max rate of change / -40°C to 70°C (-40°F to 158°F)										
Operating/Nonoperating Humidity	-12°C DP minimum, 8% RH to 85% RH, max DP 21°C / 5% to 100% noncondensing										
Operating/Nonoperating Shock	5 Gs, 10ms, half sine pulses / 15 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	UL62368-1 ED3 (United States) CAN/CSA-C22.2 No.60950-1-07/No.62368-1-14, 2nd Ed (Canada) EN62368-1 (European Union) IEC 62368-1 Ed3 (International) CQC (China PRC – CQC 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) KS 32 Class A/KS 35 (S. Korea) CNS 13438 Class A (Taiwan)										
Harmonics	EN 61000-3-2 (EU)										
Flicker	EN 61000-3-3 (EU)										
Immunity	EN 55024 (EU) KS 24/KS 35 (S. Korea) CISPR 24/CISPR35										
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	The RoHS Directive (2015/65/EU) The WEEE Directive (2012/19/EU) The REACH Directive (EC/1907/2006) The Batteries Directive (2006/66/EC)										
Ecodesign	Commission Regulation (EU) 2019/424 (Directive 2009/125/EC)										
Power Supply Units											
Power Supply	<p>Ecodesign (Model SPASGAT-01) – Platinum</p> <table border="0"> <tr> <td>Power Efficiency 115VAC/60Hz 230VAC/50/Hz</td> <td>Power Factor Condition(PFC)</td> </tr> <tr> <td>10% Load = >80% >80%</td> <td>50% Loading = >0.90</td> </tr> <tr> <td>20% Load = >90% >90%</td> <td></td> </tr> <tr> <td>50% Load = >92% >94%</td> <td></td> </tr> <tr> <td>100% Load = >89% >91%</td> <td></td> </tr> </table>	Power Efficiency 115VAC/60Hz 230VAC/50/Hz	Power Factor Condition(PFC)	10% Load = >80% >80%	50% Loading = >0.90	20% Load = >90% >90%		50% Load = >92% >94%		100% Load = >89% >91%	
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