



Tomorrow's data  
infrastructure,  
delivered today

Enterprise storage systems purpose-built  
for data-heavy workloads



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# SEAGATE® EXOS® FUSE DATA SHEET

Enterprise Storage Systems Purpose-Built for Data-Heavy Workloads




## Product Overview

Seagate Exos FUSE brings converged compute and storage together into a single, space-efficient platform. Designed for edge, regional, and space-constrained environments, it allows applications to execute exactly where data resides. This architecture reduces latency, eliminates infrastructure sprawl, and keeps sensitive data local, sovereign, and actionable. It is ideal for hybrid-cloud analytics, content workflows, and multi-cloud gateways.

## Core Platform Advantages

- **Integrated Compute + Storage:** Consolidates servers and storage into a unified system, drastically minimizing integration efforts and accelerating the deployment of data-critical applications.
- **Optimized Compute-to-Data Proximity:** Accelerates data-intensive and throughput-sensitive workflows by eliminating network latency and processing data where it lives.
- **Standards-Based, Open System Architecture:** Seamlessly integrates into your existing tools and environments while maintaining complete flexibility and avoiding proprietary vendor lock-in.
- **High-Throughput Performance:** Employs high-throughput internal I/O and storage interfaces to maintain sustained performance for ingest-heavy operations and rapid data delivery.
- **Hybrid Media Support:** Compatible with mixed SSD + HDD configurations, allowing for workload-appropriate data placement to perfectly balance performance, capacity, and TCO.
- **Infrastructure Efficiency:** Streamlined system design slashes physical complexity, minimizes interconnect cabling, and improves airflow and serviceability within the rack.
- **Enterprise-Grade Reliability:** Engineered for continuous, 24/7 operations using redundant, hot-swappable, and field-serviceable components.

## Hardware Specifications by Model

Features	 <b>Exos AP2U12</b>	 <b>Exos AP2U24</b>	 <b>Exos AP5U84</b>
<b>Form Factor</b>	2U Rackmount	2U Rackmount	5U Rackmount
<b>Max Drives</b>	12	24	84
<b>Drive Interface</b>	SAS	SAS	SAS
<b>CPU Options</b>	AMD embedded-class EPYC 7292P  • 12 or 16 core @ 2.0GHz	AMD embedded-class EPYC 7292P  • 12 or 16 core @ 2.0GHz	AMD embedded-class EPYC 7292P  • 12 or 16 core @ 2.0GHz
<b>Memory</b>	4 x 32GB or 4 x 64GB DDR4 DIMMs  (128GB or 256GB per controller) @ 3200MHz	4 x 32GB or 4 x 64GB DDR4 DIMMs  (128GB or 256GB per controller) @ 3200MHz	4 x 32GB or 4 x 64GB DDR4 DIMMs  (128GB or 256GB per controller) @ 3200MHz
<b>Onboard I/O</b>	<ul style="list-style-type: none"> <li>• On-board NVidia CX4 dual-port 10/25GbE I/O</li> <li>• 2x 1GbE onboard connections (mgmt/data)</li> <li>• 12G x4 mini-SAS HD external ports</li> </ul>	<ul style="list-style-type: none"> <li>• On-board NVidia CX4 dual-port 10/25GbE I/O</li> <li>• 2x 1GbE onboard connections (mgmt/data)</li> <li>• 12G x4 mini-SAS HD external ports</li> </ul>	<ul style="list-style-type: none"> <li>• On-board NVidia CX4 dual-port 10/25GbE I/O</li> <li>• 2x 1GbE onboard connections (mgmt/data)</li> <li>• 12G x4 mini-SAS HD external ports</li> </ul>
<b>PCIe Expansion</b>	<ul style="list-style-type: none"> <li>• One low-profile, half-length PCIe Gen 4 x16 slot</li> </ul>	<ul style="list-style-type: none"> <li>• One low-profile, half-length PCIe Gen 4 x16 slot</li> </ul>	<ul style="list-style-type: none"> <li>• One low-profile, half-length PCIe Gen 4 x16 slot</li> </ul>

	• One OCP v2.0 Gen 4x8 host interface slot	• One OCP v2.0 Gen 4x8 host interface slot	• One OCP v2.0 Gen 4x8 host interface slot
<b>Optional I/O Interface</b>	Dual QSFP port Nvidia CX6 100GbE with interface card	Dual QSFP port Nvidia CX6 100GbE with interface card	Dual QSFP port Nvidia CX6 100GbE with interface card
<b>Power Supply</b>	764W (80 PLUS Platinum)	764W (80 PLUS Platinum)	2200W (80 PLUS Platinum)
<b>Dimensions (H x W x D)</b>	88.9mm x 483mm x 630mm	88.9mm x 483mm x 630mm	220mm x 483mm x 933mm
<b>Weight (with drives)</b>	30kg	30kg	135kg
<b>Hot Swappable Components</b>	HDDs and SSDs (in chassis slots), power supply and cooling module units (PCU), controllers	HDDs and SSDs (in chassis slots), power supply and cooling module units (PCU), controllers	HDDs and SSDs (in chassis slots), power supply units (PSU), cooling modules, side-plane expanders, controllers

## Target Use Cases

- Edge and Regional Data Centers
- Hybrid-Cloud Analytics & Big Data Workloads
- Content Workflows and Media Streaming
- Multi-Cloud Gateways & Sovereign Data Environments
- Private Cloud Deployments