



DATA SHEET

Efficient. Agile. Scalable.

Exos E 2U12



Seagate® Exos™ E 2U12 is the datasphere's ideal platform for efficient growth, performance, and capacity at an all-in-one price.



Product Highlights

- Save space with up to 12 drives in a 2U rackmount enclosure
- Simplify overall product portfolio with this unique storage building block
- Safeguard data with intelligent fault diagnosis, resolution capabilities, persistent error logging, and monitoring
- Deliver data fast using Seagate hard drives
- Ensure data is available with N+1 PCMs, I/O modules, and dual data paths to all drives

Key Advantages

Transfer Data Fast at up to an Unprecedented 12Gb/s SAS. Get data to applications when and where it's needed with up to 12Gb/s speed, unprecedented capacity, and effective maximum throughput of 14.4GB/s in a single I/O module or 28.8GB/s in a dual controller configuration. Even with expansion capability up to 144 hard drives, there is no sacrifice of space for performance.

Deliver Versatile Architecture Built to Grow. This flexible enclosure includes support and capabilities to manage cables, universal ports, self-configuration controls, and standardized zoning for both SAS and SATA. As a key building block of our modular systems—which make all critical components interchangeable regardless of size or budget—IT administrators will appreciate system management features like two-digit, front-panel shelf ID, activity and status indicators for all key components, alarms, and lockable carriers. Its modularity makes it easy to set up, maintain, and expand via interchangeable FRUs and hot-swappable components.

Ensure Applications Have Access to Critical Data. Safeguard your data with fault diagnosis, resolution capabilities, persistent error logging, and monitoring while ensuring maximum availability while harnessing high-availability features such as dual PCMs and I/O modules, as well as dual data paths to all drives.

Reduce Cost and Resources With Energy-Efficient Features. This enclosure is equally suited as a DAS behind a RAID HBA or as an integrated component of a broader OEM solution. It meets stringent worldwide requirements for recycling and environmental friendliness, and can help you minimize environmental impact and recognize cost savings through high performance while reducing power consumption with 80 PLUS Gold certified adaptive cooling technology.

Build In Security at the Foundation of the Data Life Cycle. Protect your most valuable business assets with Seagate Secure™ cybersecurity features.



Specifications	
Controller	Dual I/O modules per enclosure
Host/Expansion Interface	Three universal x4 12Gb/s mini-SAS HD connectors (SFF-8644) per I/O module
Management/Status Reporting	CLI via RS232 and 100Base-T port SES via SAS SFF-8644 ports
Maximum System Configuration	Dual host-connected enclosure with a maximum expanded configuration of 12 enclosures for a total of 144 drives
Device Support	Dual port 12Gb/s and 6Gb/s SAS drives. SATA 6Gb/s drives via SAS-to-SATA bridge interposer
Max Drives per Enclosure	12 (for a full list of supported drives, please contact your account or sales manager)
Hot-Swappable Components	Hard drives, power cooling modules (PCM), and SBB I/O modules
Physical	Height: 88.9mm / 3.5 in (2 EIA units) Width: 483mm / 19 in (IEC rack compliant) Depth: 630mm / 24.8 in Weight: 26kg / 52.7 lb (with drives)
Power Requirements—AC Input	
Input Power Requirements	100V-240V AC 60Hz/50Hz
Environmental/Temperature Ranges	
Operating/Nonoperating Altitude	0m to 3000m (0 ft to 10,000 ft) / -300m to 12,192m (-1000 ft to 40,000 ft)
Temperature Range	5°C to 40°C (35°C max above 2000m)
Humidity	20% to 80% noncondensing
Operating/Nonoperating Shock	5 Gs, 10ms half sine / 30 Gs 10ms half sine
Operating/Nonoperating Vibration	0.21 Gs rms / 1.04 Gs rms
Standards/Approvals	
Safety Certifications	UL 60950-1 (USA and Canada) EN 60950-1 (European Union) IEC 60950-1 (CB certification)
Emissions (EMC)	CFR 47 Part15, subpart B, class A; CES/ NMB-003 Class A (North America) EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3 (Europe)
Standard Marks/Approvals	North America (FCC, UL, cUL, ICES/NMB-003 Class A), Europe (CE), China (CCC – PSU only), Taiwan (BSMI), Korea (MSIP – formerly KCC), Japan (VCCI), Australia/New Zealand (RCM – formerly C-tick)

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