DATA SHEET

Efficient. Agile. Scalable.

Exos E 2U12

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

Product Highlights

- Save space with up to 12 drives in a 2U rackmount enclosure
- Simplify overall product portfolio with this versatile storage building block
- Safeguard data with intelligent fault diagnosis, resolution capabilities, persistent error logging, and monitoring
- Deliver data fast using Seagate hard drives, SSDs, or a combination of both
- Ensure data is available with N+1 PCMs, I/O modules, and dual data paths to all drives
- Maximum of 28.8GB/s in a dual controller configuration

Key Advantages

Transfer Data Fast With a 12Gb/s SAS Interface. Get data to applications when and where it's needed with up to 12Gb/s speed, yielding an effective maximum throughput of 14.4GB/s in a single I/O module or 28.8 GB/s in a dual controller configuration. With expansion capability up to 144 SSDs and hard drives, expand to 2.016 PB[1] with no sacrifice in performance.

Deliver Versatile Architecture Built to Grow. This flexible enclosure includes support and capabilities to manage cables, universal ports, configuration controls, and standardized zoning. As a key building block of our modular systems—which make all critical components interchangeable regardless of size or budget—this enclosure's 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 suited for both high-capacity and transaction-dependent environments that demand tighter Service Level Agreement (SLA) requirements and need faster response times for optimal data availability. 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 guaranteed compatible Seagate Secure™ SSDs and hard drives.

1 Using Seagate 14TB drives

Specifications	
Controller	Dual I/O modules per enclosure
Host/Expansion Interface	Three universal ×4 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.
Max Drives per Enclosure	12 (for a full list of supported drives, please contact your account or sales manager)
Hot-Swappable Components	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	90VAC-264VAC, 50Hz/60Hz
Max Power Output per PSU	580W
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)
Operating/Nonoperating Temperature	ASHRAE A3, 5°C to 40°C (41°F to 104°F), derate 1°C/175m 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 and 10% RH to 21°C DP and 80% 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 (5-500Hz) / 1.04 Gs rms (2-200Hz)
Standards/Approvals	
Safety Certifications	UL 60950-1 (USA and Canada) | EN 60950-1 (European Union) | IEC 60950-1 (CB certification)
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 55024, 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/KN 35 (S. Korea) | CNS 13438 Class A (Taiwan)
Standard Marks/Approvals	North America (FCC, UL, cUL, ICES/NMB-003 Class A), Europe (CE), China (CCC – PSU only), Taiwan (BSMI), Korea (KC), Japan (VCCI), Australia/New Zealand (RCM – formerly C-tick)

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