



DATA SHEET

Efficient. Agile. Scalable.

Exos E 5U84



Seagate® Exos™ E 5U84 is the datasphere's high-capacity, high-performance platform that can handle extreme data growth.



Product Highlights

- Deliver peace of mind with features to protect data, including dual power supplies, fan modules, and I/O modules, as well as dual data paths to all drives
- Reduce power consumption with 80 PLUS Gold certified adaptive cooling technology
- Easily manage cables, universal ports, self-configuration controls, and standardized zoning
- Seamlessly expand to 336 drives as business grows
- Efficiently manage your data center with a 5U rackmount enclosure and unique drawer design that provides easy access to 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 336 hard drives or solid state drives, there is no sacrifice of space for performance.

Deliver a Versatile Architecture Built to Grow. Minimize your TCO and store up to 1.1PB of data with an enclosure that leads the industry in both density and cost-for-performance while enabling easy expansion via interchangeable FRUs and SBB 2.0 compatibility. This flexible enclosure includes support and capabilities to manage cables, universal ports, self-configuration controls, and standardized zoning while helping you accelerate market introduction of new technologies and significantly simplify development and testing of storage implementations.

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 cooling, PCMs, and I/O modules, as well as dual data paths to all drives.

Generate Energy Efficiency Savings. This enclosure 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 an 80 PLUS Platinum certified power supply and 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 EBOD storage bridge bay (SBB) 2.1 compatible I/O modules per enclosure
Host/Expansion Interface	Three universal x4 12Gb/s mini-SAS connectors (SFF-8644) per I/O module
Management/Status Reporting	CLI via RS232 and 100Base-T port, SCSI enclosure services (SES) via SAS SFF-8644 ports
Maximum System Configuration	Dual host-connected enclosure with a maximum expanded configuration of 4 enclosures for a total of 336 drives
Device Support	Dual-ported 12Gb/s SAS
Max Drives per Enclosure	84 (for a full list of supported drives, please contact your account or sales manager)
Hot-Swappable Components	Hard drives, power supply units (PSU), cooling modules, side planes, and SBB I/O modules
Physical	Height: 220mm / 8.65 in (5 EIA units) Width: 483mm / 19 in (IEC rack compliant) Depth: 933mm / 36.75 in Weight: 135kg / 298 lb (with drives, no rail kit)
Power Requirements—AC Input	
Input Power Requirements	200V-240V AC 60Hz/50Hz
Environmental/Temperature Ranges	
Operating/Nonoperating Altitude	-100m to 3000m (-330 ft to 10,000 ft) / -100m to 12,192m (-330 ft to 40,000 ft)
Temperature Range	5°C to 35°C (de-rate 5°C above 2133m)
Humidity	10% to 80% noncondensing
Operating/Nonoperating Shock	5 Gs 10ms half sine (Z axis), 20 Gs 10ms half sine (X and Y axes) / 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; ICES-003 Class A (North America) EN55022 Class A, EN55032 Class A, VCCI V-3, AS/NZS CISPR 22, EN55024, EN61000-3-2 Class A, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, SANS 224, KN35 (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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