



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 Platinum certified power supplies and adaptive cooling technology
- Easily manage cables, universal ports, self-configuration controls, and standardised zoning
- Seamlessly expand to 336 drives as business grows
- Efficiently manage your data centre with a 5U rackmount enclosure and unique drawer design that provides easy access to drives
- Maximum of 28.8 GB/s in a dual controller configuration

Key Advantages

Transfer Data Fast With a 12 Gb/s SAS Interface. Get data to applications when and where it's needed with up to 12 Gb/s speed, unprecedented capacity, and effective maximum throughput of 14.4 GB/s in a single I/O module or 28.8 GB/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. Minimise your TCO and store up to 1.1 PB 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 standardised 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.

Reduce Cost and Resources With Energy-Efficient Features. This enclosure is suited for high-capacity, 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 minimise environmental impact and recognise cost savings through high performance while reducing power consumption with 80 PLUS Platinum 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™ hard drives.



Specifications	
Controller	Dual EBOD storage bridge bay (SBB) 2.1 compatible I/O modules per enclosure
Host/Expansion Interface	Three universal x4 12 Gb/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 12 Gb/s SAS
Max Drives per Enclosure	84 (for a full list of supported drives, please contact your account or sales manager)
Hot-Swappable Components	Drives, power supply units (PSU), cooling modules, side planes, and SBB I/O modules
Physical	Height: 220 mm / 8.65 in (5 EIA units) Width: 483 mm / 19 in (IEC rack compliant) Depth: 933 mm / 36.75 in Weight: 135 kg / 298 lb (with drives, no rail kit)
Power Requirements — AC Input	
Input Power Requirements	180VAC-240VAC, 50Hz/60Hz
Max Power Output per PSU	2200W
Environmental/Temperature Ranges	
Operating/Non-operating Altitude	-100 m to 3000 m (-330 ft to 10,000 ft) / -100 m to 12,192 m (-330 ft to 40,000 ft)
Operating/Non-operating 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/Non-operating Humidity	-12°C DP and 10% RH to 21°C DP and 80% RH, max DP 21°C / 5% to 100% non-condensing
Operating/Non-operating Shock	5 Gs, 10ms, half sine pulses/20 Gs, 10ms, half sine pulses
Operating/Non-operating 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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