



DATA SHEET

Efficient. Fast. Modular.

Nytro E 2U24



Seagate® Nytro® E 2U24 is the datasphere's high-performance, exceptional-capacity platform utilizing the latest SAS SSDs for maximum data access speed at a minimum TCO.



Product Highlights

- Save space with up to 24 SSDs 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 SSDs
- 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 and an unprecedented effective maximum throughput of 14.4GB/s per I/O module or 28.8GB/s in a dual controller configuration, which is enough to support even the highest-performing solid state drives (SSD).

Deliver a Versatile Architecture Built to Grow. This flexible enclosure is built for ultimate solid state performance, and includes support and capabilities to manage cables, universal ports, self-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 can be populated with our SSDs to provide flash performance at an entry-level price point. Its modularity makes it easy to set up, maintain, and expand via interchangeable FRUs and hot-swappable components, including the controller.

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 high-capacity, transaction-dependent environments that demand tighter Service Level Agreement (SLA) requirements and faster response times for optimal data availability. It meets stringent worldwide requirements for recycling and environmental friendliness, helping to minimize environmental impact. Deliver cost savings through efficient high performance, all while reducing power consumption with 80 PLUS Gold certified adaptive cooling technology.

Build In Security at the Foundation of the Data Life Cycle. Protect the most valuable business assets with guaranteed compatible Seagate Secure™ SSDs.



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 6 enclosures for a total of 144 drives
Device Support	Dual port 12Gb/s and 6Gb/s SAS drives.
Max Drives per Enclosure	24 (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: 24kg / 53 lb (with drives)
Power Requirements—AC Input	
Input Power Requirements	100V-240V AC 60Hz/50Hz
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 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/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)

seagate.com



© 2021 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, and the Spiral Logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. Nytro, the Nytro logo, and Seagate Secure are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors, such as chosen interface and disk capacity. The export or re-export of Seagate hardware or software is regulated by the U.S. Department of Commerce, Bureau of Industry and Security (for more information, visit www.bis.doc.gov), and may be controlled for export, import, and use in other countries. Seagate reserves the right to change, without notice, product offerings or specifications. DS1976.5-2103US March 2021