



DATA SHEET

Efficient. Fast. Modular.

NyTRO E 2U24



Seagate® NyTRO® E 2U24 is the datasphere's super high-performance platform for maximum IOPS at minimum cost.



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

Key Advantages

Transfer Data Fast at up to an Unprecedented 12 Gb/s SAS. Get data to applications when and where it's needed with up to 12 Gb/s speed and an unprecedented effective maximum throughput of 14.4 GB/s per I/O module or 28.8 GB/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 standardised 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 minimise 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 Seagate Secure™ cybersecurity features.



Specifications	
Controller	Dual I/O modules per enclosure
Host/Expansion Interface	Three universal x4 12 Gb/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 16 enclosures for a total of 384 drives
Device Support	Dual port 12 Gb/s and 6 Gb/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	Hard drives, power cooling modules (PCM), and SBB I/O modules
Physical	Height: 88.9 mm / 3.5 in (2 EIA units) Width: 483 mm / 19 in (IEC rack compliant) Depth: 630 mm / 24.8 in Weight: 24 kg / 53 lb (with drives)
Power Requirements — AC Input	
Input Power Requirements	100V-240V AC 60 Hz/50 Hz
Environmental/Temperature Ranges	
Operating/Non-operating Altitude	0 m to 3000 m (0 ft to 10,000 ft) / -300 m to 12,192 m (-1000 ft to 40,000 ft)
Temperature Range	5°C to 40°C (35°C max above 2,000 m)
Humidity	20% to 80% noncondensing
Operating/Non-operating Shock	5 Gs, 10 ms half sine / 30 Gs 10 ms half sine
Operating/Non-operating 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)

seagate.com



AMERICAS Seagate Technology LLC 10200 South De Anza Boulevard, Cupertino, California 95014, United States, 408-658-1000
 ASIA/PACIFIC Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888
 EUROPE, MIDDLE EAST, AND AFRICA Seagate Technology SAS 16-18, rue du Dôme, 92100 Boulogne-Billancourt, France, 33 1-4186 10 00

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