



DATA SHEET

Efficient. Fast. Modular.

NyTRO E 2U24



Seagate® NyTRO® E 2U24 is the datasphere's high-performance, exceptional-capacity platform utilising 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 28.8 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 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 guaranteed compatible Seagate Secure™ SSDs.



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 6 enclosures for a total of 144 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	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
Max Power Output per PSU	580W
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)
Operating/Non-operating Temperature	ASHRAE A2, 5 °C to 35 °C (41 °F to 95 °F), derate 1°C/300 m above 900 m, 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/15 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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