Seagate® Nytro® AP 2U24 is the cost-effective, scalable 2U storage rack for high-bandwidth, low-latency tasks, featuring dual 12Gb/s SAS controllers.

Key Advantages

Harness fast data transfers with a 12Gb/s SAS interface paired with Seagate Nytro SSD drives.

Gain more space and performance while lowering TCO with a 2U rack storing up to 24 drives.

Build an efficient compute and storage environment with a fast SSD in a compact form factor.

Select controller performance and high-availability options to suit budget and/or software requirements with dual ×86 controllers.

Support virtually any current or future network infrastructure with 10GbE, 25GbE, and 100GbE I/O options.

Dual 12Gb/s SAS controllers are compliant with the latest architecture standards for maximum data throughput.

Tap into increased reliability and business/operations continuity with fully redundant, hot-swappable components.

Right-size your configuration by purchasing only what you need.

Shares design and multiple FRUs with various Exos® products for modular, easy-to-service AP and EBOD ecosystems.

Expand your storage as your business grows with up to 8 chassis.

Best-Fit Applications

- Small and mid-sized deployments
- High-bandwidth, low-latency environments
- 4K and 8K workflows, medical offices, surveillance
- Image sequence processing
- Hybrid tiered systems
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| Controller Specifications      | **Controller and Quantity**: One or two AP-BV-1 Controllers, redundancy optional  
**CPU Type and Quantity Per Controller**: AMD SP3 7292P EPYC CPU (8, 12, 16 Core)  
**Memory Type and Quantity Per Controller**: 4 x DDR4 - 3200MHz DIMM slots - 8, 16, 32, 64GB DIMM support +  
**Internal Boot Drive Per Controller**: Dual NVMe M.2 Board with Single or Dual M.2 NVMe SSD for Redundant Boot/Logs  
**Onboard I/O**: On-board Mellanox CX4 Dual Port 10/25GbE I/O 2 x 1GbE onboard connections (Management / Data)  
**PCIe Expansion**: One low-profile, half-length PCI Express Gen 4 x16 Host Interface Slot, and one OCP v2.0 Gen 4x8 host interface slot  
**Storage Infrastructure**: 2x Gen 4 x8 PCIe Lanes to 12G Broadcom SAS Controller, Dual 12G x4 Mini-SAS HD External Expansion Ports  
**Inter-Controller Link**: PCI Express Gen 3 x16 NTB Inter-controller Interface  |
| Chassis Specifications         | **Redundant Path**: Yes (SAS only)  
**Management/Status Reporting**: Redfish API + IPMI & SES  
**Device Support**: 12Gb/s SAS and 6Gb/s SATA SSDs  
**Max Drives Per Enclosure**: up to 24 x 2.5-in SFF drives (for a full list of supported drives, please contact your account or sales manager)  
**Hot-Swappable Components**: SSDs (in chassis data slots), power supply and cooling modules units (PCU), controllers  
**Physical**: Height: 87.9mm / 3.46 in | Width: 443mm / 17.44 in | Depth: 630mm / 24.8 in | Weight (w/ear mounts): 483mm / 19.01 in | Weight: 17kg / 38 lb | Weight (with drives): 30kg / 66 lb  |
| Power Requirements—AC Input    | **Input Power Requirements**: 100V-240V AC 60Hz/50Hz  
**Max Power Output per PSU**: 764W  |
| Environmental/Temperature Ranges | **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 minimum, 8% RH to 85% 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, 5Hz to 500Hz random / 1.04 Gs rms, 2Hz to 200Hz random  |
| Standards/Approvals            | **Safety Certifications**: UL62368-1 ED3 (United States) | CAN/CSA-C22.2 No.60950-1-07/No.62368-1-14, 2nd Ed (Canada) | EN62368-1 (European Union) | IEC 62368-1 Ed3 (International) | CQC (China PRC – CQC Power Supplies) | BIS (India – BIS Power Supplies)  
**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) | KS 32 Class A/KS 35 (S. Korea) | CNS 13438 Class A (Taiwan)  
**Harmonics**: EN 61000-3-2 (EU)  
**Flicker**: EN 61000-3-3 (EU)  
**Immunity**: EN 55024 (EU) | KS 24/KS 35 (S. Korea) | CISPR 24/CISPR35  