

Vantageo 2U24-ST

Flexible, Scalable, and Secure



Vantageo 2U24-ST is the datasphere’s favorite entry-level solution for right-sized storage performance at an exceptional price point

Product Highlights

- Expand a data center seamlessly with flexible hard drive and hybrid flash configuration options
- Efficiently manage hot and cold data with real-time data tiering feature option
- Deliver unfettered data access with dual redundant controllers capable of achieving up to 7GB/s sequential read, 5.5GB/s sequential write performance
- Rebuild drives faster than ever and reduce downtime with Vantageo ADAPT data protection technology
- Opt for replication and snapshot features to meet critical enterprise requirements

Key Advantages

Maximum Capacity and Consistent High Performance. Leverage both speed and performance at a budget-friendly price. This system enables the smallest business to the largest data center to efficiently deliver data to applications at 320K maximum IOPS in a hybrid configuration, the best price/performance system in its class on the market today. By seamlessly adapting from hybrid flash to all-hard drive configurations, this nimble system flexes as use cases evolve and capacity needs increase.

Cost-Optimized Architecture. This flexible solution is perfect for businesses with demanding streaming environments that require high read and write throughput, while still needing considerable storage space. Built to ensure space is used to its maximum potential, application access to data is virtually instantaneous, ensuring IT and end users can work efficiently.

Easy to Set Up, Maintain, and Expand. All system components—the enclosure, the controller, the firmware, and the drives—are developed and optimized by our engineers to work together seamlessly. This reduces support calls and eliminates technical learning curves. Modular architecture makes components interchangeable between systems, and upgrades are simple due to common FRUs, PCMs, controllers, and software.

Get Data to Applications Fast and Protect Valuable Assets. This system is full of features that enable extreme cost efficiency and up to 99.999% data availability. Parallel architecture, multi-core processing, data replication, and fast streaming make access to data unfettered, while exclusive Vantageo ADAPT data protection technology enables fast and efficient drive rebuilds that virtually eliminate system downtime.

Build In Security at the Foundation of the Data Life Cycle. Protect the most valuable business assets with Vantageo cybersecurity features and intelligent firmware —such as SFTP, SED support, and administrator access controls—that provide builtin security measures for reliable and safe file access, transfer, and management.

Vantageo 2U24-ST	
Specifications	Technical Specification
3005 Controller Performance	3.5GB/s read throughput 3GB/s write throughput
4005 Controller Performance	7GB/s read throughput 5.5GB/s write throughput
Expansion BODs	J1224 (2U24) Maximum of 3× 2U24 EBODs (3005), 9× 2U24 EBODs (4005)
Advanced Features	Thin provisioning Snapshots Asynchronous replication
High-Availability Features	Redundant hot-swap controllers Redundant hot-swap drives, fans, power Dual power cords Hot standby spare Automatic failover Multi-path support
Device Support	SAS HDD NL-SAS HDD SAS SSD
Data Protection	ADAPT RAID levels supported: 0, 1, 3, 5, 6, 10, and 50
System Configuration (24, 2.5-in devices)	Up to 24 drives per chassis 57.6TB max capacity per chassis (based on 2.4TB HDDs)
Physical	Height: 87.9mm / 3.46 in Width: 443mm / 17.44 in Depth: 630mm / 24.8 in Width w/ear mounts: 483mm / 19.01 in Weight: 17kg / 38 lb Weight (with drives): 30kg / 66 lb
Hosts	
External Ports	4 per system (3005), 8 per system (4005)
Fibre Channel Models	Host speed: 16Gb/s, 8Gb/s Fibre Channel Interface type: SFP+
iSCSI Models	Host speed: 10Gb/s, 1Gb/s iSCSI Interface type: SFP+
SAS Models (4005 only)	Host speed: 12Gb/s, 6Gb/s SAS Interface type: HD Mini-SAS
System Configuration	
System Memory	16GB per system
Volumes per System	1024
Cache	Mirrored cache: Yes Supercapacitor cache backup: Yes Cache backup to flash: Yes – nonvolatile
Management	
Interface Types	10/100/1000 Ethernet, Mini USB
Protocols Supported	SNMP, SSL, SSH, SMTP, HTTP(S)
Management Consoles	Web GUI, CLI
Management Software	Vantageo Systems storage management console Remote diagnostics Nondisruptive updates Volume expansion
Power Requirements—AC Input	
Input Power Requirements	100V-240V AC 50Hz/60Hz (346W maximum continuous)
Heat Dissipation	1181 BTUs/hour Gold-rated power supplies
Environmental/Temperature	
Operating/Nonoperating Temperature	RBOD: 5°C to 35°C (41°F to 95°F), EBOD: 5°C to 40°C (41°F to 104°F) / –40°C to +70°C (–40°F to +158°F)
Operating/Nonoperating Humidity	20% to 80% noncondensing / 5% to 100% noncondensing
Operating/Nonoperating Shock	5.0 Gs, 10ms, half sine pulses (Y-axis) / 30.0 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	UL 60950-1 (United States) CAN/CSA-C22.2 No.60950-1-07 (Canada) EN 60950-1 (European Union) IEC 60950-1 (International) CCC (China PRC – CCC 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) KN 32 Class A/KN 35 (S. Korea) CNS 13438 Class A (Taiwan)
Harmonics	EN 61000-3-2 (EU)
Flicker	EN 61000-3-3 (EU)
Immunity	EN 55024 (EU) KN 24/KN 35 (S. Korea)
Environmental Standards	The RoHS Directive (2011/65/EU) The WEEE Directive (2012/19/EU) The REACH Directive (EC/1907/2006) The Batteries Directive (2006/66/EC)
Standard Marks/Approvals	Australia/New Zealand (RCM), Canada (cUL/ICES/NMB-003 Class A), China (CCC – PSU only), European Union (CE), Japan (VCCI), South Korea (KC), Taiwan (BSMI), United States (FCC/UL)

Disclaimer: Technical data is subject to modification and delivery subject to availability. . Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.