

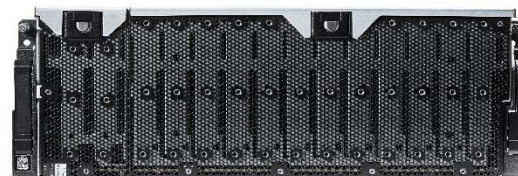
ABILITY 4U 106-BAY JBOD

Efficient. Agile. Scalable.

The RAID Inc. Ability 4U-106 is the industry's largest building block delivering industry-first capacity and density without sacrificing data access speed.

Build Exabyte-Scale Data Centers Fast.

Increase the amount of data that fits in a 4U rack by leveraging up to 106 of our high-capacity hard drives in a single enclosure that holds up to an unprecedented 1.4PB¹ of business intelligence. With an overall maximum bandwidth of 36GB/s, you can access mission-critical and archival data with lightning speed.

**ABILITY**
4U-106**Deliver Versatile Architecture Built to Grow.**

This flexible enclosure includes support and capabilities to manage cables, universal ports, self-configuration controls, and standardized zoning. As the largest building block of our modular systems—which make all critical components interchangeable regardless of size or budget—this platform sets the new standard for data center solutions with extremely high density and capacity, all with unparalleled reliability and performance.

Easy to Set Up, Maintain, and Expand.

This system's user-focused design reduces support calls and minimizes system downtime. Its modularity makes it first-in-class for reliability, easy setup, maintenance, and expansion and minimizes via hot-swappable expanders and dual data paths, as well as redundant I/O modules, fans, and power supplies. Additionally, this system features toolless drive carriers that allow an administrator to snap drives into the 106 bays in seconds.

Reduce Cost and Resources With Energy-Efficient Features.

This enclosure is suited for high data retention requirements that are expected to grow. Innovative drive placement maximizes airflow and minimizes power consumption, and unique performance, efficiency, and scalability features provide an unprecedented low TCO.

Product Highlights

- Scale your data center with this very high density storage platform
- Minimize a data center's footprint and power consumption while maximizing storage space
- Eliminate efficiency-draining acoustic interference with the proprietary noise attenuator
- Maintain your data center easily with toolless drive carriers that save hours of time
- Ensure data is constantly available with hot-swappable controllers, PSUs, system fan modules, drives, and expander cards

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Specifications Redundant Path Host/Expansion I/O Ports Management Ports Management/Status Reporting Device Support Max Drives per Enclosure Hot-Swappable Components Physical	<ul style="list-style-type: none"> • Yes (SAS only) • Includes four x4 mini-SAS HD I/O connectors • Includes two x 1G Ethernet RJ-45 ports • Out-of-band CLI via management port and in-band SCSI Enclosure Services • SATA 6Gb/s, 6Gb/s SAS, and 12Gbs SAS drives • 106 (for a full list of support drives, please contact your account or sales manager) • Hard drives, power supply units (PSUs), cooling modules, side-plane expanders, and I/O modules • Height (with top cover): 176.4mm/6.95 in Width (without ears and rails): 441mm/17.4 in Depth (with handles, without cables): 1139mm/44.8 in Weight 64kg/140 lb Weight (with drives): 150kg/330 lb
Power Requirements Input Power Requirements Max Power Output per PSU	<ul style="list-style-type: none"> • 200V-240V AC 50Hz/60Hz • 2kW
Environmental/Temperature Ranges Operating/Nonoperating Altitude Operating/Nonoperating Temperature Operating/Nonoperating Humidity Operating/Nonoperating Shock ¹ Operating/Nonoperating Vibration ²	<ul style="list-style-type: none"> • -100m to 3000m (-330 ft to 10,000 ft)/-100m to 12,192m (-330 ft to 40,000 ft) • -40°C to 70°C (max rate of change: 20°C) /5°C to 35°C (de-rated by 1°C per 300m above 900m) • 10% to 80% noncondensing / 5% to 100% noncondensing • 3 Gs rms, 5Hz to 500Hz, 30 min per axis / 0.54 Gs rms, 6Hz to 200Hz • 0.1 Gs rms, 5Hz to 500Hz, 30 min per axis / 0.54 Gs rms, 6Hz to 200Hz
Standards/Approvals Safety Certifications Emissions (EMC) Environmental Standards Standard Marks/Approvals	<ul style="list-style-type: none"> • 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) • FCC CFR 47 Part 15 Subpart B Class A (United States) VCCI Class A (Japan) KN 22/KN 32 Class A (S. Korea) CNS 13438 Class A (Taiwan) • The RoHS Directive (2011/65/EU) The WEEE Directive (2012/19/EU) The REACH Directive (EC/19907/2006) • Australia/New Zealand (RCM), Canada (cUL/ICES/NMB-003 Class A), China (CCC –PSU only), European Union (CE), Japan (VCCI), South Korea (MSIUP), Taiwan (BSMI), United States (FCC/UL)
Country Approvals	United States, Canada, European Union (EU), Australia/New Zealand, Japan, China (PRC), Russia, Mexico, Germany, South Korea, Taiwan, India

¹ Nonoperating shock measured with 2 shocks per axis X, Y in positive and negative direction and 2 shocks in positive Z axis

² Nonoperating vibration measured with chassis mounted on test fixture for 4 hrs in each axis (ISTA 3E)

About



RAID Inc. was founded in 1994 to deliver end-to-end performance-driven technical computing and storage solutions. The company has earned industry praise for providing platform agnostic technical guidance in high performance computing (HPC), big data, cloud and software-defined data centers—in the most efficient, reliable and cost effective manner. The world’s leading research facilities, government, life science, financial, healthcare, energy, and cloud service providers can leverage our team of engineers’ extensive academic, research lab and commercial expertise that makes RAID Inc. a trusted industry leader. For more information, visit our website www.raidinc.com or call 1.800.330.7335.