



The **AccuRAID AR464X6R** is a very high density 4U rackmount designed for storage hungry applications, and accommodates up to 256TB of storage space, using revolutionary top-loaded design. The unit utilizes advanced 6G SAS interface technology operating as direct attached storage (DAS). In addition, the dual controller SAS ports allow the support of clustering, where the unit could be accessed by two servers, ensuring continuous uptime in a production environment.

To reinforce the AR464X6R's ability to overcome hardware failure, two redundant and hot-swappable power supplies and cooling fans are available for added safeguard. Active-Active redundant controllers allow further failure protection when needed. Internally, the AR464X6R supports up to RAID 60, with RAID monitoring, RAID notification, automatic failover, and automatic recovery. Build-in expansion port allow additional JBOD unit (AS464X6R) with up to 256 devices. The unit's built-in Ethernet port with web based management console and SES management features provide instant access to the status of the RAID array and the enclosure to reduce downtime. SAS drives are supported, while SATA can be used with additional MUX board.

AR464X6R's 4U 64-bay top-loaded high density design provide space saving, allow fewer power outlet, which in term generate less-heat, requires less cooling and saving on energy cost, providing an ideal solution for high capacity storage needs.



Features

Architecture

- 4U 64-bay high density storage for high spacing, high energy saving storage rackmount.
- Redundant controller built-in to provide high availability and high performance.
- 800MHz processor with 1GB on-board ECC cache memory (upgradeable to 4GB) per controller.
- Support 3.5" form factor hard drives.
- SAS / SATA RAID 60 ASIC engine, providing the highest level of data protection.
- Dual Channel 6G SAS connector per controller, supporting fail-over.
- Supports SAS JBOD (AS464X6R) expansion.
- Redundant and hot-swappable power supply and cooling fans.
- O/S-Independent and host transparent RAID solution.
- MAID 2.0 support

RAID

- Supports JBOD, RAID 0, 1, 1E, 0+1, 3, 5, 6, 30, 50, 60 with hot spare and multiple volumes.

- RAID 6 tolerates multiple drive failures without downtime or data loss, providing the most advanced level of data protection.
- Supports online array roaming, online RAID level / stripe size migration, and online capacity expansion.
- Hot swappable drives that support hot spare and automatic hot rebuilding with automatic drive insertion/ removal detection.
- NVRAM transaction log and S.M.A.R.T. to improve the RAID system integrity, reliability, and availability.

Management

- Embedded enclosure management through WEB GUI, LCD control panel, and online RAID management via RS-232 port.
- Intuitive, yet comprehensive GUI for configuration and monitoring from remote and local locations.
- Field-upgradeable firmware in flash ROM, redundant RAID controller firmware upgrade via RS-232 and WEB GUI.

Specifications

HDD Trays

64 Hot-Swappable 3.5"

RAID Level

0, 1, 10, 3, 5, 6, 30, 50, 60

Maximum Capacity

256TB

Memory

1GB, Upgradable to 4GB DDR-2 ECC SD-RAM Memory per controller

Auto Rebuilding

Yes

Hot-Spare

RAID 1, 10, 5, 6, 50 and 60

Host Interface & Transfer Rate

Dual Channel SAS 6G * 2 (4 ports total)

Drive Interface

SAS or SATA (Additional MUX board required for SATA HDD w/ redundant models)

Cooling Fan

15 cooling fans

Power Supply

1100W x 2 Redundant Power Supply Modules

Control Interface

LCD Panel, RS232, RJ-45 Ethernet

Dimension (in) & Weight (lb)

7"H x 19"W x 35.4"D & 100 lb (w/o hard drives)

Safety Regulations

CE, FCC, UL, RoHS

Limited Warranty

3 Years