

AccuRAID

AR212F8



- >> **AR212F8 8 Gb/s Fibre-Channel with single upgradable RAID controller**
- >> **Built-in hardware RAID 6 or 60 RAID engine**

OVERVIEW

The AccuRAID AR212F8 Series is a 2U rack-mountable RAID solution designed for file servers, backup, audio/video streaming, and digital video recording. With a capacity of up to 36TB, this array is perfect for any application that requires a high volume storage solution. With quad high-performance 8G Fibre Channel host interface and cutting edge 6G SAS and 6G SATA dual hard drive support, the AR212F8 is guaranteed to deliver 8Gbps FC performance per channel. Users could flexibly choose between high performance SAS drives or cost-effective / high capacity SATA drives. With SAS expander support, the AR212F8 is capable of up to 288TB of capacity with additional AS212X6S JBOD expansion units. The feature-rich array allows the user to configure the unit to suit current demands and expand later when needed. The array utilizes sixteen hot-swappable 3.5" trays with 2.5" screws holes for 3.5" and 2.5" SAS/SATA/SSD drives, allowing quick replacement and simple troubleshooting. The AR212F8 RAID subsystem could also be easily scaled to RAID levels 0, 1, 0+1, 3, 5, 6, 30, 50, 60 or JBOD configurations. Featuring durable, heavy duty steel housing and a user-friendly LCD panel, the AR212F8 will meet all data intensive application demand. AR212F8 comes with modular RAID controller, redundant power supply and redundant cooling fans. Built-in redundant controller ready backplane allows non-destructive redundancy controller upgrade path without purchasing a brand new hardware.

ARCHITECTURE

- Redundant controller built-in to provide high availability and high performance
- Eight channels Fibre Channel 8Gbps connector supporting fail-over (4 channels per controller).
- Support both 3.5" and 2.5" form factor hard drives and SSD.
- Redundant and hot-swappable power supply and cooling fans.

RAID

- Supports JBOD, RAID 0, 1, 1E, 0+1, 3, 5, 6, 30, 50, 60 with hot spare and multiple volumes.
- Supports online array roaming, online RAID level / stripe size migration, and online capacity expansion.
- Hot swappable drives with Hot-Spare and Auto Rebuild.
- 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.
- Firmware upgradeable, redundant RAID controller firmware upgrade via RS-232 and WEB GUI.

SPECIFICATION

Model	AR212F8
Form Factor	2U Rackmount
HDD Trays	12 Hot-Swappable 3.5" (2.5" form factor supported via screw holes)
RAID Level	0, 1, 0+1, 3, 5, 6, 30, 50, 60, JBOD
Maximum Capacity	36TB, up to 288TB with Expansion
Auto Rebuilding	Yes
Hot-Spare	Yes
Host Interface	Eight channels Fibre Channel (8 Gbps) (4 FC Channels per channels)
Cooling Fan	2 Hot-Swappable Modules
Drive Interface	3G/6G SAS or 3G/6G SATA (MUX required for SATA Drives in Redundant controller)
Power Supply	500W X 2 Redundant
Dimension (in)	19"W x 21"D x 3.7"H
Weight (lb)	38
Safety Regulations	CE, FCC, UL, RoHS
Limited Warranty	3 Years