



# AccuRAID AR212F8/F8R 2U 12-Bay 8G Fibre RAID Subsystem Four 8G FC Ports per controller



The AR212F8/F8R are Sans Digital's innovative 8G Fibre RAID subsystem utilizing 4/8 x 8G Fibre channels for host connectivity on single/dual controller in a 2U 12-bay enterprise storage supporting 6Gb/s SAS or SATA III drives. With its expandable capability it is able to support up to 122 SAS/SATA devices via Sans Digital AccuSTOR 6G SAS JBOD (7 units of 3U 16-bay or 5 units of 4U 24-bay), AccuRAID series are scalable to provide over 384TB of storage capacity without sacrificing performance.



New AccuRAID RAID subsystem Series are Sans Digital's revolutionary product with breakthrough performance over previous AccuRAID RAID products. Driven by new generation storage processor, New AccuRAID Fibre Series are capable of delivering more than 1,900 MB/s data throughput by a single RAID controller that is two to three times better than any other RAID manufacturers can achieve.

## Highlights

- 800Mhz RAID-On-Chip Storage Processor.
- 80+ green Redundant 500W power supplies with PFC, AC Voltage 110-230 VAC /AC Frequency 50-60Hz
- Up to 4GB DDR2 ECC registered on one DIMM socket.
- Hardware RAID 6 engine to support extreme performance RAID 6 function.
- Support Global Hot Spare and local Hot Spare disk.
- Optional Battery Backup module preserves cache contents during power failure.
- NVRAM and Real Time Clock support, for configuration and transaction log.
- 2 x down-stream min-SAS supported, It can connect more SAS JBODs for capacity expansion.

## Technical Specifications

### RAID operation

RAID Levels: 0, 1, 1E, 3, 5, 6, 50, 60 & JBOD ; Multiple RAID selection

Online RAID level/stripe size migration

Online Array roaming, online capacity expansion and RAID level migration simultaneously

Support Global Hot Spare and dedicated Hot Spare disk

Instant availability and background initialization

Uniquely features "Drive Spin Down"- Saving more power consumption

Automatically starts bad Blocks-Scrubbing by "Scheduled Volume Checking"

Max 122 Physical drivers

Online Volume set growth

Max 128 LUNs ( Volume set ) per controller

Support S.M.A.R.T & NCQ & OOB Staggered Spin-Up capable drives

Automatic drive insertion / removal detection and rebuilding

### Host Interface

4 x 8Gb Fibre Channels per controller (8 x 8G FC for dual controller)

### Drive Interface

12 of 6Gb SAS/SATA III Drives

### Environmental / physical

#### Cooling

Two redundant, hot-swappable cooling modules with self-regulating speeds and wide range airflow design

Controlled by RAID controller automatically maintaining optimal ambient temperature

#### Size

Dimensions: 28"x27"x15"

#### Weight

Weight (w/o HDDs): 55 lbs