



# AccuRAID AR316F8(R) 3U 16-Bay 8G Fibre RAID Subsystem

## Four 8G FC Ports Single/Redundant controller



The AR316F8(R) 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 3U 16-bay enterprise storage supporting 6Gb/s SAS or SATA III drives. With its expandable capability it is able to support up to 128 SAS/SATA devices via Sans Digital AccuSTOR 6G SAS JBOD (7 units of 3U 16-bay), AccuRAID series are scalable to provide over 512TB 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

16 of 6Gb SAS/SATAIII Drives

### Environmental / physical

#### Cooling

2 Hot-Swappable Modules & Blowers

#### Size

Dimensions(in): 16"x26"x28"

#### Weight

Weight (w/o HDDs): 75 lbs