

FlexArray



Reduce i/o bottlenecks Increase fault tolerance Lower cost per megabyte Flexible configuration

If your business uses networks or multiuser systems, then you know all too well the problems created by today's inadequate disk storage systems - downtime, i/o bottlenecks, limited storage capacity, unrecoverable data, wasted time. If your business cannot afford these problems, Raidtec has the solution. Build your network or multiuser system on a solid foundation with the *FlexArray*™ from Raidtec Corporation.

Combining the most advanced software and innovative hardware, the *FlexArray*™ is the cost effective solution for reliable data storage. The *FlexArray*™ provides the highest levels of data integrity, astonishing performance, and exceptional flexibility for growth and system configuration. With Hot Replacement of failed drives as a standard feature, you will never again have to shut your network down to perform disk maintenance.

System down time due to faulty drives or power supplies is a thing of the past. Supporting RAID Levels 1, 3 and 5, the *FlexArray*™ provides a Mean Time To Data Loss (MTTDL) of over 833 million hours.

Systems performance? No problem! With parallel reads and writes, the *FlexArray*™ helps overcome typical i/o bottlenecks due to poor disk access time. When compared to single drive systems, the *FlexArray*™ provides a 200% to 300% improvement in overall throughput.

The *FlexArray*™ is easy to configure and is highly flexible with modular storage capacity up to 7.2 gigabytes. It will expand as your storage requirements grow, and multiple arrays can be attached to a single host. Supporting industry standard hardware as well as hosts and operating system platforms, the *FlexArray*™ can be configured to suit your environment.

Safe, flexible, and affordable data storage coupled with improved performance -
FlexArray™ from Raidtec - the solid solution when your business can't afford to be down!

Raidtec
CORPORATION

FlexArray™

SPECIFICATIONS

PHYSICAL SPECIFICATIONS

DIMENSIONS:	<u>Height</u>	<u>Width</u>	<u>Depth</u>
mm	400	397	397
inches	15-3/4	15-5/8	15-5/8

DISK SHUTTLES: Accomodates 3.5" drives

POSITIONS: Positions for six (6) drives

WEIGHT: 15.88 kg without drives
20.41 kg with six (6) drives

STORAGE CAPACITY

- With six (6) drives installed from 1.4 gigabytes to 7.2 gigabytes per *FlexArray*™
- Maximum Capacity depends on individual drive capacity
- Multiple *FlexArray*™ can be supported. This is operating system/host dependent.

DISK ARRAY ASSEMBLY

The Raidtec *FlexArray*™ model DAS-0 includes:

- Dual switch mode power supplies independently removable for Hot Replacement
- Hot Replacement relay board supporting Hot Replacement PSU and failure alarm
- Six (6) Hot Replacement drive bays and shuttle trays
- Power harness connecting six (6) drive bays
- SCSI harness connecting two (2) external SCSI connectors and six (6) shuttle trays
- Six (6) LED drive power, six (6) activity indicators and two (2) power supply LED indicators are front panel mounted to provide immediate *FlexArray*™ status indication
- Emergency buzzer for power supply failure alert
- Two meter SCSI shielded cable and external SCSI terminator plug

OPERATING SYSTEM SOFTWARE SUPPORTED

SCO UNIX and XENIX
AT&T UNIX
NOVELL NetWare 3.11
OS/2

DISK ARRAY INTERFACE

SCSI, SCSI-2, Fast SCSI

DISK ARRAY TYPE

RAID Levels 0, 1, 3, 5

DISK ARRAY MTBDL

883 Million Hours (95,000 Years)

ACCESS TIME

Individual Drives: 14 msec (Typical)
Disk Array: <4 msec (Typical)

INTERFACE DATA TRANSFER RATES

Synchronous (mb/sec): 10.0 maximum

Asynchronous (mb/sec): 4.0 maximum

ELECTRICAL SPECIFICATIONS

<u>Voltage</u>	<u>Current</u>	<u>Frequency</u>
110 Volt	6.3 amps	60 Hz
230 Volt	3.2 amps	50 Hz

ENVIRONMENT

Temperature: Operating: 5° to 40°C
Non-Operating: -40° to 60°C
Humidity: 10% to 80% (non-condensing)
EMI & RFI: FCC Class A

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