

# **R·RAID**

## ***Rugged Fibre Channel Storage***

**A compact disk array uniquely ruggedized for airborne data acquisition and storage.**

### ***Key Features***

- Removable RAID module with dual 4 Gbps Fibre Channel interface
- Sixteen 2.5" SATA Array
- Internal vibration/ shock isolation
- Hermetically-sealed for high-altitude operation
- RAID levels 0,1 (0+1), 3, 5, 6 or JBOD
- Browser-based RAID manager
- Operating system independent external hardware RAID
- Hard-mountable ATR package



### ***Ampex R·RAID Ruggedized Disk Array***

- 4 Gbps Fibre Channel Interface (two ports)
- Up to 8 TB capacity
- compatible with all popular operating systems
- 1.6 Gb/sec (200 MB/sec) Read/ Write bandwidth
- 85W/ 150W steady-state /peak power dissipation
- Full ATR Short form factor
- 32 lbs



# ***R-RAID Specifications***

---

## **Storage Performance:**

### Capacity with

32GB, 64 GB, 80 GB, 160GB, 320GB, 0.5 TB, 1 TB, 1.25, 2.5 TB, 5 TB  
and 500GB drives and 8 TB

Max. continuous Read/Write 1.6 Gb/sec (200 MB/sec)

Read/ Write Bandwidth (typical) 1.25 Gb/sec (155 MB/sec)

RAID levels 0,1 (0+1), 3, 5, 6 or JBOD

## **Dual Fibre-Channel Interface:**

4-Gbit Fibre Channel, Arbitrated Loop and Fabric Support

Interface Transfer Rate to 400 MB/sec/ channel

## **RAID Management:**

Built-in Web Browser-based RAID manager, SMTP manager, and SNMP agent Via Ethernet Port

## **Weight:**

Removable RAID Module 13.5 lb

RAID Chassis 18.5 lb

Total Weight 32 lb

## **Environmental:**

Operational Temperature -40°C to +55°C, +85°C

Operational Vibration  
(disk, rugged disk, solid-state disk) 3 g<sub>rms</sub> 5 g<sub>rms</sub> 10 g<sub>rms</sub>

Operational Shock 15g half sine, 11ms

## **Power (28Vdc):**

Removable RAID Module (w.o. Heater) 85 W

Heaters (required during initial warm-up  
period below 0°C, not for operation) 120 W

**AMPEX** | Data Systems

1228 Douglas, Redwood City, CA 94063-3199

Phone: 1-800-752-7590 Fax: 1-650-367-3106

Web: <http://www.ampexdata.com>

E-mail: [sales@ampexdata.com](mailto:sales@ampexdata.com)

Europe: Basingstoke, UK Tel: 44 (0)1256 814410

Email: [sales@ampexgb.co.uk](mailto:sales@ampexgb.co.uk)

Japan: Phone: 81-3-3767-4521

Specifications preliminary, subject to change without notice or obligation

©2008 Ampex Data Systems Corporation

Ampex Data Systems is a subsidiary of Ampex Corporation