

Specifications: Raid Shuttle

Ruggedized Fibre Channel Disk Arrays with Capacities to 640 GB

The RAID Shuttle is the industry's smallest, ultra high performance, disk storage array that has been ruggedized for those applications requiring the absolute toughest environments like land mobile, airborne, and even high altitude with optional environmental regulation added. When high performance counts, the fibre channel interface can transfer data at up to 100 MB/second with a sustained data transfer rate of 94 MB/second. Using standard CPU software, the RAID Shuttle is compatible with all standard fibre channel / SCSI software available today on almost all platforms.

INTERFACE

Sustained Transfer Rate:
100 MB/s (max) - 72 MB/s (min)

Interface: Fibre channel 1.06 GB

Interface Module: Pluggable, single board

FC Interface: Copper-DB9, 3 each (MIA comp)

Mode Support: Arbitrated Loop, Point to Point, Fabric/Switch

Multi-Port: Built-in 3 Port Hub

PHYSICAL DIMENSIONS (ATR Packaging)

Dimensions: 7.62" h x 7.5" w x 12.52" d

Weight: 18 lbs

ENVIRONMENTAL SPECIFICATIONS

Temperature:

Operating +10 C to +40 C

Non-operating -30 C to +65 C

Humidity:

Operating 10% - 90% non-condensing

Non-operating 5% to 95% non-condensing

Altitude:

Operating To 10,000 feet above sea level

Non-operating To 40,000 feet above sea level

HOST ADAPTER SUPPORT

Qlogic
Atto
Emulex

OPERATING SYSTEM COMPATIBILITY

Windows NT / 2000 / 2000 Pro
Sun
IRIX
Linux
VME

AC POWER REQUIREMENT

Power Supply: Single Supply 50 to 400 Hz (Mil-Std-704)

Typical Current Draw (100-200 VAC):

Start-up: 3.30 / 1.65 A
Idle: 2.54 / 1.27 A
Read/Write/Seek: 3.31 / 1.66 A

DC Power Requirements:
18 to 36 Vdc 5 amps

HIGH PERFORMANCE ARCHITECTURE

- 4th Generation Real-Time RAID Design
- Built-In 3 Port Hub for Multi-Host connections
- 66 MIPS RISC processor architecture for fast command handling

SHOCK SPECIFICATIONS

Shock levels using internal vibration isolators only

11 ms half sine wave 10 G's
8 ms half sine wave 20 G's

Shock levels using external vibration isolators

11 ms half sine wave 20 G's

VIBRATION LEVEL SPECIFICATIONS

Vibration levels using only internal vibration isolators

3 G's 55 to 1000 Hz Curve S
.020 inches DA 5 to 55 Hz RTCA/DO-160C

Vibration levels using external vibration platform

.036 inches DA to 55 Hz
5 G's 55 to 1000 Hz

Alternative vibration levels in random vibration

Internal isolators .007G Squared/Hz 5 to 1000 Hz
External isolators .015G Squared/Hz 5 to 1000 Hz

Shipboard vibration Mil-Std-167

EMI

Mil-Std-465

CRASH SAFETY

RTCA/DO-160C and Mil-Std-810



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