

RAZOR II

RAZOR II

8Gb FC or 6Gb SAS Host with 2.5" SAS Drives



(12) 2.5" Drive Enclosure

Highlights

- ❖ Full-featured RAID in a Compact 1U Chassis using SAS drive
- ❖ 2.5-inch Drives Are Simply Smaller
- ❖ Higher IOPS in Less than half of space
- ❖ Lower Total Cost of Ownership
- ❖ 45% Less Power Consumption and Heat Generation

With 8Gb Fibre Channel host interfaces, the Razor II solution offers unprecedented space efficiency and performance, available in single or dual controller and expandable in 1U increments for a total of 48 6Gb SAS drives.

The Razor II features unprecedented space efficiency by providing all advanced RAID functions in a 1U enclosure. The Razor's unique design allows twice the number of spindles within the same footprint, and is ideal for I/O-intensive applications.

HIGHER RELIABILITY AND BETTER PERFORMANCE

2.5-inch SAS disk drives are designed for environments requiring higher reliability (with an outstanding 1.7 million hours MTBF) and higher I/O density.

THE BENEFITS OF 2.5" DISK DRIVES ARE OBVIOUS

70% smaller: Smaller space requirement than comparable 3.5" drive solution.

Consumes 40% less power: In addition to cost reduction, less power means a cooler enclosure, and therefore a higher overall reliability.

Higher MTBF: High-end 10,000 and 15,000RPM 2.5-inch SAS drives feature a 1.7 million hour MTBF, which is 15 percent higher than the 1.4 million hour MTBF by 3.5-inch disk drives.

2.5-inch Drives Are Simply Smaller: RAID, Inc. is the first to

Ideal Uses

- ❖ Space Constraints
- ❖ Small Power Consumption
- ❖ Cockpits, Tanks, Submarines
- ❖ Civilian Applications

StorageWatch

All RAZOR systems are StorageWatch® capable allowing users to reduce both infrastructure TCO and organizational operating costs associated with today's business of data assets and intelligence ensuring long term organizational growth.

introduce 2.5" drives in external RAID enclosures. Using 2.5" drives allows you to implement more spindles in less than half of rack mount space than using the 3.5" counterparts. More spindles mean higher IOPS performance.

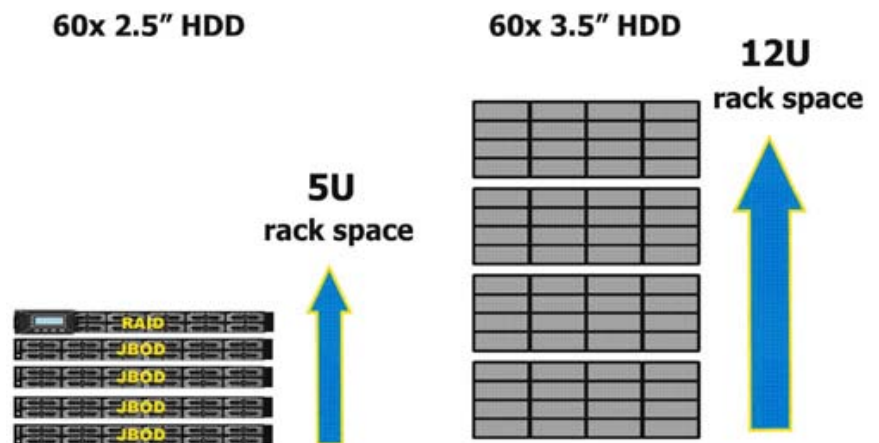
COMPACT IN SIZE

2.5-inch disk drives are simply smaller than their 3.5-inch counterparts. The compact 1U enclosure houses twelve 2.5-inch SAS disk drives while the same number of 3.5-inch disk drives requires at least a 2U-profile enclosure.

SCALABILITY: EXPANSION OVER SAS WIDE LINKS:

Similar to Fibre Channel expansion loops, SAS expander technologies also enable the ease of connections when the need arises for more capacity. All you have to do is to attach the cables and use a flatblade screwdriver to select an enclosure ID by a rotary switch. The SAS WWN addresses will be automatically applied to all the disk drives.

Higher IOPS in less than half of space!



EXPANSION ENCLOSURES

The Razor II can attach to 4 expansion enclosures (60 HDD) via SAS wide links.

POWER CONSUMPTION AND HEAT GENERATION

SFF 2.5-inch disk drives consume 45% less power than their 3.5-inch counterparts. They run cooler with reduced airflow requirements, which also decrease the chance of encountering thermal issues and the cost on providing airflow ventilation.

EXCEPTIONAL 24/7 SUPPORT

The Razor comes with a maintenance and management service package that not only monitors but manages your data 24/7. RAID Inc.'s patent pending StorageWatch® remote monitoring service provides real-time proactive monitoring of the overall condition of your storage solution 24 hours a day, 7 days a week. All components of your solution and environment are monitored for irregularities including; storage arrays, RAID controllers, disk drives, power supplies, cooling, switches & fabric (all SAN devices) and backup devices.