



RAZOR

Introducing the Industry's first 1U RAID Subsystem with 15,000 RPM Drives

With the option of a 4Gb Fibre Channel or 3Gb SAS host interface, the Razor solution offers unprecedented space efficiency and performance, available in single or dual controller and expandable in 1U increments for a total of 60 SAS drives.

The Razor 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 capable of achieving over 155,000 IOPS in RAID 5.

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:

- **Up to 155,000 IOPS:** in RAID 5
- **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 15,000RPM 2.5-inch SAS drives feature a 1.6 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 introduce 2.5" disk drives in external RAID enclosures. Using 2.5" drives allows you to implement more spindles in less than half of rackmount space than using the 3.5" counterparts. More spindles mean higher IOPS performance.

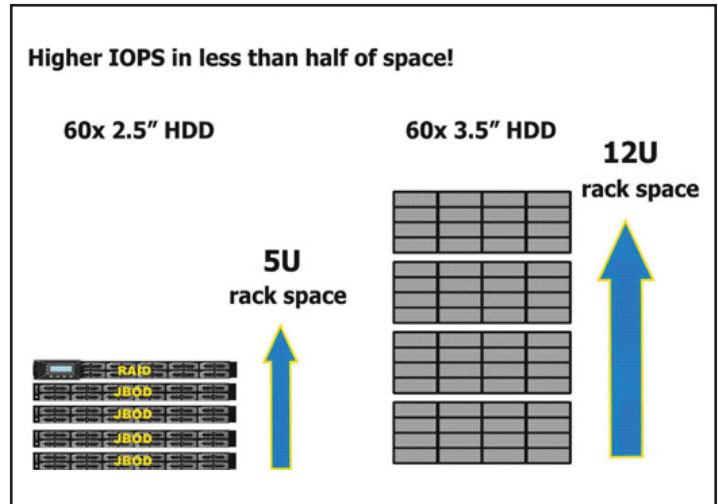
Ideal Use

The Razor is ideal for environments where space constraints and power consumption are a major concern, such as cockpits, tanks, submarines as well as civilian applications.

This product is available with:
STORAGEWATCH®

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.



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.

Expansion Enclosures

The Razor 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.