

ORION



Robust, high-availability, high-performance dual U320 SCSI to SATA 3Gb/s RAID system

Orion 8, 12 and 15 Bay SATA-2 / U320 Features:

- :: 8, 12 or 15 hot-swap drive bays in a robust 3U chassis
- :: Supports SATA-2 3Gb/s drives - NCQ & TCQ
- :: Dual Ultra 320 SCSI channels with four VHDCI ports
- :: Up to 465MB/s sustained throughput
- :: Redundant, hot-swappable power and cooling
- :: Multiple global or designated hot-spare drives
- :: 256MB ECC cache (up to 512MB), w/battery backup
- :: Comprehensive embedded web-based management
- :: Network management through web-based application, email, SNMP, WBEM/CIM, SSL
- :: LUN Masking and Mapping enable SANs, and large clusters



RAID Inc's StorageWatch monitoring software offers professional management tools in a simple-to-use, straightforward format. This embedded software works locally or via network TCP/IP connection to monitor arrays. Information windows appear during critical and user-specified events. The software can even be configured to send e-mail notification should an error occur.

Low-cost, feature-rich storage for outstanding productivity

The RAID Inc. ORION U320 SCSI is a high-performance RAID storage system optimized for organizations deploying small to medium application servers, disk-to-disk backup and direct-attach storage solutions. Dual Ultra 320 SCSI host interface channels offer the ease of management and performance required by companies running popular departmental and back-office applications. The ORION U320 SCSI combines advanced connectivity and storage features – sophisticated functionality, exceptional performance, rock-solid reliability, and high availability – with intelligent system design for a very affordable solution.

The ORION U320 SCSI—small in price, big on capability

The ORION U320 SCSI leverages high performance, hot-swappable SATA 3Gb/s drives—the cost-effective benchmark for high-density storage – offering an exceptional entry point for direct-attached servers and small clusters. Industry-standard SCSI host channels provide server connectivity support. Enterprise ready features, such as fully redundant power and cooling, a battery-backed cache, and RAID Inc.'s unique Predictive Data Migration™ and PerfectRAID™ technologies provide superior availability and data integrity.

High storage density for flexibility and economy

The ORION U320 SCSI supports up to 15 off-the-shelf 3.5" SATA 3Gb/s or 1.5Gb/s drives per system in a standard 3U 19" rack space. By taking advantage of unsurpassed capacity of SATA drives, the ORION system delivers the highest capacity levels available. Multiple ORION systems can also be daisy chained to deliver massive storage to capacity-hungry applications such as disk-to-disk backup, media serving, video surveillance and compliance storage.

Comprehensive remote management

ORION systems feature embedded StorageWatch management software, eliminating the need to install additional software on the network. With StorageWatch, all ORION systems in your network can be configured and monitored through a single, easy-to-manage web-based graphic user interface. The software works through the ORION system's Ethernet port – locally, across a LAN, or across an internet connection – to configure and monitor one or multiple ORION system(s) and provide error reporting through pop-up messages, event logging, or email notification. The ORION family simplifies integration with third-party management applications using industry-standard SNMP and WBEM protocols..

Storage and server consolidation delivers cost savings

The ORION U320 SCSI incorporates advanced cluster support features such as advanced LUN Mapping and Masking. With support for up to 256 Logical Drives (LUNs) per array and 32 LUNs per physical drive, the U320 SCSI delivers a robust, flexible platform for storage and server consolidation and advanced costs savings. By sharing storage resources among multiple servers, users can take advantage of high availability configurations and employ resource sharing for cost effective storage solutions that maximize capacity utilization.