

ORION



Robust, high-availability, high-performance SATA 3Gb/s RAID array with a dual host-port Fibre Channel interface

Orion 8, 12 and 15 Bay SATA-2 / FC2 Features:

- :: 8, 12 or 15 hot-swap drive bays in a robust 3U chassis
- :: Supports SATA-2 3Gb/s drives & NCQ
- :: Dual 2Gb Fibre Channel host ports, SAN Fabric
- :: Up to 400 MB/s sustained throughput
- :: Redundant, hot-swap 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 ORION™ is a high-performance RAID storage building block optimized for organizations deploying traditional storage appliances including fast archive and retrieval to enterprise-level SATA SAN solutions. Dual 2Gb Fibre Channel (FC) host interface ports provide connectivity into widely deployed Fibre Channel storage networks, perfect for supplementing existing storage networks and for building new application storage systems. The ORION combines advanced connectivity and storage features, sophisticated functionality, exceptional performance, reliability, and availability, with intelligent system design for a very affordable solution.

The ORION--Redefining FC Network Storage

The ORION combines the benefits of SATA drives with the performance and connectivity of Fibre Channel. High performance, hot-swap SATA drives provide an exceptional platform for low cost, high-density storage with proven reliability and unparalleled price per gigabyte. The Fibre Channel host interface provides complex SAN and network connectivity support. Performance delivers a strong showing of up to 400MB/sec sustained throughput.

High Capacity Building Block Device

The ORION supports 2U or 3U SATA class systems. By taking advantage of the high capacity of SATA drives, the ORION system delivers the highest capacity levels available. ORION solutions can also be configured to deliver massive storage to capacity-hungry applications such as disk-to-disk backup, media archiving, video surveillance and compliance storage.

Comprehensive remote management

RAID Inc's ORION F-series features StorageWatch® monitoring software which is embedded into the system, eliminating the need to install additional software on the network. With StorageWatch, ORION 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 or across a network TCP/IP connection, to monitor arrays, configure the system, and provide error reporting through pop-up windows 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 incorporates advanced SAN and cluster support features such as advanced LUN Masking and Mapping. With support for 256 Logical Drives (LUNs) per array and 32 LUNs per physical drive, the ORION 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. Each ORION building block supports up to 32 Fibre Channel hosts connecting to and utilizing capacity on the same system without security breaches or sharing conflicts.