Save

High capacity storage for capacity-intensive applications

ULTAMUS® RAID4800

Doing more with less. Sound familiar? Networked storage capacity requirements are growing at an exponential rate. Storage consolidation, server virtualization, regulatory compliance, digital content creation, new application implementation, application file growth—all key factors in the data boom.

The ULTAMUS® RAID 4800 has been designed to address increasing capacity requirements while minimizing infrastructure and management complexity by providing up to 48 TB of data within an industry leading density of only 4U of rack space.

The Right Balance for Storage

Dynamically scalable up to 96 TB in 8U of storage, ULTAMUS RAID 4800, with dual active/active 4Gb/s Fibre Channel controllers, is the product-of-choice for high capacity, dynamic scalability and high performance storage buyers who are working to balance high availability with storage capacity and affordability.

High Performance Architecture

4 Gb/sec Fibre Channel host connectivity and a high-speed point-to-point SAS backbone provides ULTAMUS RAID the foundation to produce the screaming performance expected from a storage array of such caliber.

The support for Enterprise SATA-II drives not only provides the reliability needed for critical data storage, but also awards enterprise class performance to large capacity enclosures with a 3 Gb/sec interface.

Performance scales beyond just a single enclosure with the utilization of SAS "wide-ports" that allow dynamic scalability up to 96 drives with zero impact on performance.

Enhanced Data Availability

Dual active/active RAID controllers, hardware accelerated RAID 6, in addition to ULTAMUS RAID path manager's ability to leverage inherent OS-level multipathing, permits more reliable failover / failback to further minimize downtime and provide IT storage managers the reassurance that their data will be available online, all of the time.

Established Return on Investment

Defense against technological obsolescence relates directly to ROI calculations for every business. ULTAMUS RAID employs the latest in high-speed storage architectures, enterprise SATA drive technologies and on-the-fly expansion to address tomorrow's increasing storage demands.

ULTAMUS RAID also provides a broad set of operating system, host clustering and server virtualization support to adapt as server and host application requirements evolve.

Comprehensive, Easy-to-use Interface

ULTAMUS RAID manager provides end users with an easy-to-use, platform independent, management interface that auto-discovers all network-visible ULTAMUS RAID enclosures.

Beyond standard RAID and volume administration, ULTAMUS RAID manager includes multiple enclosure management from a single window, intuitive LUN mapping and an extensive set of utilities for performance optimization, monitoring and statistics.

For more than 25 years, businesses have trusted Overland Storage to protect their most valuable information with industry-leading backup and recovery solutions. Overland's family of disk and tape solutions, combined with our superior service, support and quality focus, ensure that your data is automatically safe, readily available and always there

- Cost-effective Fibre Channel SAN RAID storage for Windows, Linux, VMware and other server platforms
- Up to 48 TB of capacity fully expands to 96 TB
- Active/active RAID controllers, cableless design and hot swap components throughout
- Quad 4 Gb/sec FC host connections and a 3 Gb/sec point-to-point SAS architecture
- Supports RAID levels 0, 1, 5, 6, 10, 50
- Web-based management interface

Overland
S T O R A G E ®

ULTAMUS® RAID 4800

SPECIFICATIONS

FUNCTIONALITY

SATA II drives

	Multiples of 24 drives using 750 GB SATA		Multiples of 24 Drives using 1 TB SATA	
Base System/expansion capacity	(24) 750 GB	(48) 750 GB	(24) 1 TB	(48) 1 TB
Raw Capacity	18 TB	36 TB	24 TB	48 TB

STANDARD HARDWARE & SOFTWARE FEATURES

	Scalable up to (96) 1 TB; up to 96 TB
RAID Controller	Dual Active/Active RAID controllers
External Interfaces	Two, 4 Gb/sec Fibre Channel per controller; 1/2/4 Gb/sec FC auto negotiation
RAID Level Support	RAID 0, 1, 5, 6, 10, 50
Maximum Physical and Logical Drives	48 physical drives per enclosure, 512 logical drives per enclosure (> 2TB LUNs supported)
Performance	Up to 380 MB/sec per host channel; configurable stripe width; 40,000 IOPS per controller
Availability	Redundant, hot swappable RAID controllers, cooling systems, power supplies and disk drives, Automatic failover / failback, online firmware upgrades and device specific module software for more reliable path management
Cache Memory	1 GB DDRII with ECC per controller
Graphical management interface	Configures, monitors and maintains RAID configurations, enclosures and sub-enclosure elements including controllers, batteries, alarms, fans, temperature sensors, power supplies and disk drives
Snapshot	4 snapshots standard, upgradeable to 512

NOTIFICATION METHODS

SNMP, SMI-S, SMTP e-mail alerts, event log files

POWER REQUIREMENTS

Voltage	100 - 240VAC (5.0A maximum per input)
Frequency	50/60Hz
Average Power	800W

ENCLOSURE

Height x Width x Depth	175mm (6.89") 4 EIA Units, 482mm (19") 1EC Rack Compliant, 810mm (31.9")
Weight	74.8Kg (165 lbs) with drives

ENVIRONMENTAL

Temperature, Humidity (Operating)	5 to 35 °C (41 to 95 °F)10% to 80% (non-condensing)
Altitude (Operating)	2,133m (7,000 ft)
Altitude (Non-Operating)	12,192m (40,000 ft)
Shock (Operating)	5g 10ms 1/2 sine
Shock (Non-Operating)	30g 10ms 1/2 sine
Vibration (Operating)	Random .21 grms 5-500Hz
Vibration (Non-Operating)	Random 1.04 grms 2-200Hz

AGENCY CERTIFICATIONS

Listed by Underwriters Laboratories, Inc. in accordance with UL 60950-1; CE EN 60950-1; iEC 60950-1

ELECTROMAGNETIC

European Union EN55022 (CISPR-A), FCC Part A

ROHS COMPLIANCE

Complies with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

SOFTWARE

Microsoft Windows Server 2003 WHQL: Microsoft RAID System Submission - MPIO 2-Node Cluster, VMware Infrastructure 3 (VI3), FalconStor IPStor and VTL, Exanet ExaStore, DataCore SANmelody, SANRAD V-Switch, RELDATA Unified Storage Gateway

STANDARD WARRANTY

3-year Hardware, XchangeNow®. Extended Service Options available.