



The Xyratex 5000 offers a complete storage platform delivering the newest technologies with the most flexible services to ensure superior data integrity and availability.

Businesses are looking for the most flexible, reliable storage that supports all their applications from bandwidth intensive transactions to data hungry backups. The Xyratex 5000 Serial Attached SCSI (SAS) disk expansion is designed to meet these needs and more. By combining high performance SAS and cost effective Serial ATA (SATA) storage in one SAS system, the Xyratex 5000 delivers:

- Maximum flexibility for simplified data management
- Superior performance for robust business growth
- High reliability for rock solid data integrity

Flexibility

The Xyratex 5000 incorporates both SAS and SATA storage in one system allowing businesses to match performance and cost for a wide range of applications. Storage is increased by simply adding more SAS and SATA drives to the Xyratex 5000 that scales to 24TB. For simplified data management, businesses can easily expand SAS storage as their critical business transactions increase and migrate less accessed data to SATA storage.

Performance

The Xyratex 5000 delivers performance more than three times faster than parallel SCSI to meet the demands of bandwidth intensive applications. Point-to-point architecture provides direct connection for improved data throughput. Throughput is further improved by the SAS storage full duplex operation that allows data to be transferred simultaneously in both directions.

Reliability

The Xyratex 5000 leverages the reliability of SCSI to provide security through proven data integrity. Redundant, hot swappable components, SAS dual ported drives and the dual disk I/O interface module's host-based path failover provide superior availability. Combined with Xyratex's services, the Xyratex 5000 achieves optimal reliability, flexibility and performance to handle the widest range of business needs.

Features

- High performance SAS and cost effective SATA storage in one system delivers maximum flexibility
- Three times faster performance than parallel SCSI for bandwidth intensive business applications
- Six 4-port connectors provide host and storage expansion connectivity
- SAS reliability delivers security through proven data integrity
- Easy expansion and migration simplifies data management
- Consolidating storage needs into one system reduces administration costs
- SCSI compatibility eliminates disruptive integration and preserves investment
- Scalability up to 24TB supports robust business growth
- Dual disk I/O interface modules support host-based path failover for high availability
- Redundant, hot swappable components improve business continuity
- Full range of professional services and support ensures the highest customer satisfaction

Technical Specification

General Information

Host/Expansion Interface	Three 4-port Serial Attached SCSI (SAS) connectors, 3 Gb/s per port. Supports serial SCSI point-to-point architecture
System Architecture	SAS for Host and Drive Interface
Interface Cards	Single or Dual Disk I/O Interface Modules with embedded enclosure management
Drive Interface Porting	Dual ported SAS (3Gb/s), Single Ported SATA (1.5 or 3Gb/s) Dual ported SATA supported using drive mux transition card
Hot Swap Components	Disk Drives, Disk I/O Interface Modules, Power Supplies and Cooling Fans
Redundant Components	Disk I/O Interface Modules, Power Supplies and Cooling Fans
Error/Status Reporting	SES (SCSI Enclosure Services)
Drive Support	SAS: 36GB, 73GB, 146GB & 300GB up to 15K RPM SATA: 36GB, 250GB, 300GB & 400GB up to 10K RPM
Maximum Capacity	System: 4.8TB (12 x 400GB) Daisy Chain: 24TB (60 x 400GB)

Dimensions

Height	88mm (3.4") 2 EIA units
Width	448mm (17.6") 1EC rack compliant
Depth	524mm (20.64")
Weight	15.9kg (35lbs)

Power

Input Voltage	Auto-Sensing 85 - 264 VAC (load balancing with redundant power supplies)
Input Frequency	47 - 63 Hz
Maximum Input Current	4.5 Amps at 85 VAC, 1 Amp at 264 VAC
Power Supply Rating	Redundant (optional) 350-watt (425-watt peak) hot-swappable power supplies with current sharing
Maximum BTUs per Hour	1,194 BTUs per system
Power Source	2 US standard independent power cords

Certification Compliance

Emissions	FCC Part 15 Class A, CISPR 22, EN55022-A, BSMI, VCCI, C-TICK
Agency Certification	CAN/CSA C22.22 #60950-00, UL 60950 3rd Edition, CB IEC 60950 Edition 3
CE Compliance	89/336/EEC EMC Directive, EN 55024

Warranty Information

Enclosures with drives	Up to 3 years
-------------------------------	---------------

Please contact Xyratex for detailed warranty information.

USA Sales & Support Call Service
Tel: +1 877 997 2839
or +1 877 XYRATEx
Fax: +1 408 894 0880

UK HQ
Tel: +44 (0)23 9249 6000
Fax: +44 (0)23 9249 2284

©2004-6 Xyratex (The trading name of Xyratex Technology Limited). Registered office: Langstone Road, Havant, Hampshire, PO9 1SA, England.

The information given in this data sheet is for marketing purposes and is not intended to be a specification nor to provide the basis for a warranty. The products and their details are subject to change. For a detailed specification sheet or if you need to meet a specific requirement, please contact Xyratex.



www.xyratex.com