

Nothing Stands
Between You
and Your Data

MegaDrive E-8 L V D

Fastest High-Speed Network Storage System - 160MB/Sec Throughput



THE MEGADRIVE™ E-8 LVD DISK ARRAY FROM DATADIRECT NETWORKS™ is the latest addition to the MegaDrive family of high-speed, cross platform network storage solutions. Leading the industry into the era of high-performance, cross scalable network data access, DataDirect Networks has engineered the E-8 LVD for high-speed SAN data access for image-intensive applications, Internet applications, and heavy-duty online transaction processing.

With 160MB/sec. throughput, the E-8 LVD is the next generation of the award winning E-8 Storage Array which utilizes the latest in Ultra2 SCSI technology—Low Voltage Differential (LVD). The E-8 LVD provides unequaled performance in a SCSI 8-Slot array. Capacities for the MegaDrive E-8 LVD range from 4GB to 368GB, with daisy chainability to tens of Terabyte of data and several Gigabytes per second in performance.

As with the entire MegaDrive family of products, the flexibility and modularity of the E-8 LVD allows for cost-effective upgrades, protecting data storage investments. The E-8 LVD can be scaled into a desktop Network RAID solution with the Company's entry level high-performance EV-200 LVD RAID array, or as a data center Fibre Channel Network RAID solution with the EV-5000. These network storage solutions scale in performance to more than 2GB/sec. and 40TB in capacity. They all provide the highest levels of manageability, and RAS (reliability, availability and serviceability) features required for workgroup, department and data center operations.

The E-8 LVD integrates easily into existing networks and complements the power of Silicon Graphics, Sun, IBM RS/6000, DEC Alpha, Windows NT and Macintosh servers and workstations, providing high-performance network-attached storage—key to application performance, productivity and operating cost reduction.



2X THE SPEED OF
THE ULTRA E-8

The E-8 LVD utilizes fully redundant, highly reliable individual components including hot-swappable fans, redundant power supplies, hot-swappable SCA drives with a special high-insertion rate connection, and the unique MegaDrive cableless backplane which ensures maximum data integrity by eliminating noise-inducing internal cables. For increased uptime and availability, the E-8 LVD also features remote environmental monitoring of all components.

In addition, the MegaDrive E-8 LVD products provide the key component for customers to begin implementing DataDirect Networks' revolutionary CDNA architecture. CDNA is a groundbreaking approach to network performance, scalability, connectivity and storage. CDNA combines the traditional attributes of high-quality MegaDrive storage systems with the connectivity and distributed file access benefits of network data access.

TWICE THE SPEED of the previous generation, the MegaDrive Family of network storage products from DataDirect Networks offers you the fastest performance in Fibre Channel or Ultra2 SCSI technology. From the desktop E-8 LVD with 160MB/sec. throughput to the EV-5000 Fibre Channel Network RAID System with 200MB/sec. system performance capable of scaling to 2GB/sec., the MegaDrive Family comprises the fastest, cross-scalable storage solutions for image-intensive applications, Internet applications and heavy-duty online transaction processing (OLTP).

By following the DataDirect Networks' Technology Roadmap of doubling performance every year, all DataDirect Networks customers have access to an upgrade path that offers the highest levels of availability and scalability in the industry while maintaining your initial storage investment. This performance growth path has in three short years made the MegaDrive E-8 the *de facto* storage solution in Digital Media, imaging, and high performance network computing. And doubling in performance every year, the MegaDrive Family of high-speed network storage solutions is fast becoming a standard in Enterprise-wide networking as well.

The MegaDrive Family represents a complete line of high-performance, fault-tolerant, modular storage solutions providing unbeatable performance today with unlimited upgrade potential tomorrow.

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SPECIFICATIONS:

Interface:

Dual Ultra2 SCSI (LVD) host interface

Performance Data Rate:

Up to 80MB/sec sustained uninterrupted throughput per channel.
Up to 160MB/sec striped.

Compatibility:

SGI, Sun, Windows NT, Mac OS, DEC Alpha, IBM RS/6000

Array Capacity:

184GB maximum capacity per enclosure (46GB 5.25" drive modules)

Drive Capacity:

4GB, 9GB, 18GB and 46GB

Drive Support:

3.5" (7200 or 10,000RPM) and 5.25" (5400RPM) removable hard drive modules—maximum 8 modules

Drive Modules:

Utilize special 10,000 insertion rate connector with SCA drives

Software-based RAID:

RAID (0, 1, 0+1) software for Windows NT and SGI IRIX, RAID 0, 1, 0+1, and 5 for Sun Solaris with Veritas file system, high-performance RAID 0, 1, 0+1 and 5 software for Macintosh systems is available from DataDirect Networks

Monitoring:

RS-232 diagnostic capability and remote reporting

MTBF (POH) drives:

Up to 800,000 hours

Certification:

FCC, UL, CUL and CE

DIMENSIONS:

E-8 Tower

Height/ Width/ Depth: 17.3"/ 7"/ 14"
Weight (w/o drive modules): 25 lbs.

E-8 Rackmount

Height/ Width/ Depth: 7"/ 17.3"/ 14"
Weight (w/o drive modules): 25 lbs.

3.5" Drives

Height/ Width/ Depth: 2.0"/ 4.75"/ 8.5"
Weight: 2.75 lbs.

5.25" Drives

Height/ Width/ Depth: 4.0"/ 6.0"/ 10.5"
Weight: 14.0 lbs.

POWER REQUIREMENTS:

Voltage/AC: 83-245V @ 47-63Hz
Power (idle, max): 140W @ 120V; 200W @ 120V

Operating Environment

Temperature / Humidity: 5 to 35 C / <20%

Non-operating Environment

Temperature / Humidity: -20 to 85 C / <80%

For an authorized dealer near you, call **1.800.322.4744** or visit www.datadirectnet.com
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