

Nothing Stands  
Between You  
and Your Data

# MegaDrive E-2 **LVD**



**Desktop Data Storage for Computing and Creative Professionals**

**A DESKTOP STORAGE SYSTEM DESIGNED FOR IMAGE AND DATA-INTENSIVE ENVIRONMENTS.** The MegaDrive E-2 LVD from DataDirect Networks gives you the high-performance of Ultra2 LVD and software RAID technology, plus the added flexibility of removable storage up to 100GB in a small 7" x 11" footprint. As with all the MegaDrive storage systems, your drive investment is protected as your needs grow to larger capacities. The E-2 LVD drive modules are scalable to the E-8 LVD or the EV-5000 Fibre Channel Network RAID.

## **3.5" Removable Media**

At the heart of the MegaDrive E-2 LVD is an Ultra2 LVD active backplane that accepts any combination of removable hard drive modules from 9GB to 50GB with speeds from 7200 RPM to 10,000 RPM. Each drive module is secured inside a rugged removable enclosure to reduce the risk of data loss due to shock and vibration. So moving gigabytes of data is quicker and safer than ever before.

## **High Insertion Rate**

DataDirect Networks manufactures all their drive modules with high-performance connectors capable of up to 10,000 insertions. This high insertion rate allows computing professionals more freedom in managing and moving their data outside of a network environment. In high-security and government environments, this high insertion rate allows multiple transitions of drive modules from desktop to secured vault.

## **Security for Data-Sensitive and Government Environments**

As with all of the MegaDrive family of network storage products, the E-2 LVD comes standard with a drive-bay lock to keep the drive modules protected from unauthorized removal from the chassis.

## **High-Performance for Desktop Video, Pre-Press and Internet Applications**

With the higher performance of LVD technology, graphics and pre-press applications will be able to move large image and postscript files fast, eliminate server bottlenecks, and accelerate traffic between scanning, retouch, OPI server and Rips.

Digital Video applications benefit from the ability to perform real time effects, reduce rendering times, and improve performance in 3D Effects, compositing, layering, keying and animation.

The Ultra E2-LVD provides a value package for Internet web-hosting that gives the price, performance, and capacities for news server applications, general purpose storage and email servers when configured in mirrored pairs for full redundancy.



The MegaDrive E-2 LVD's Ultra2 SCSI interface is capable of data transfer rates up to 80 MB/sec. Highest transfer rates are achieved when two drives are striped together in a RAID 0 configuration using MegaDrive RAID Toolkit for data striping and mirroring (RAID levels 0 and 1).

## **Universal Compatibility**

The Ultra2 LVD-based E-2 is compatible with a wide range of systems and workstations, including Macintosh, Windows NT, Silicon Graphics, Sun Microsystems, and many others.

**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 25GB/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.

Nothing Stands  
Between You  
and Your Data

## SPECIFICATIONS:

### Configuration

Single-channel Ultra2 LVD interface  
Active SCSI termination  
Drive activity and status LED indicators  
Automatic sequential drive spin-up  
Power control circuitry  
Drive key locks  
Automatic temperature control

### Interface

68-Pin SCSI-3 input and output

### Performance Data Rate:

80MB/second maximum throughput  
(using Ultra2 LVD interface)

### Array Capacity:

100GB maximum capacity per enclosure  
(up to two 3.5" drive modules)

### Drive Support

3.5" drives available in 7200 and 10,000 RPM speeds and capacities of 9GB, 18GB, 36GB, and 50GB\* Ultra2 LVD (\*7200 RPM only)

### Platform Support

Macintosh™, Windows NT; Workstations from Silicon Graphics, Sun Microsystems, RS/6000 and many others

### Software-based RAID:

MegaDrive RAID Tool Kit Striping and Mirroring software.  
Provides RAID levels 0 and 1 for MegaDrive storage systems with two or more hard drive modules.

### MTBF (POH) drives:

Up to 800,000 hours (modules only)

### Certification:

FCC, UL, CUL, CE, and CSA

## DIMENSIONS:

### Unit

Height/ Width/ Depth: 6.5"/ 7.0"/ 11.0"  
Weight (w/o drive modules): 10.5 lbs.

### 3.5" Drives

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

## POWER REQUIREMENTS:

Voltage/AC: 83-245V @ 47-63Hz  
Power (idle, max): 50W @ 120V; 70W @ 120V

### Operating Environment

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

### Nonoperating Environment

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

For more information, call  
**1.800.322.4744** or visit  
[www.datadirectnet.com](http://www.datadirectnet.com)  
e-mail:  
[sales@datadirectnet.com](mailto:sales@datadirectnet.com)

## DataDirect Networks, Inc.

9201 Oakdale Ave.,  
Chatsworth, CA 91311  
818.700.7600 phone  
818.700.7601 fax

### Digital Media

818.700.7607

### Government

818.700.4071

### Internet

818.700.4043

### OEM

818.700.7617

### International

818.700.4038

### Offices in:

Atlanta

Boston

Chicago

Denver

Houston

Los Angeles

New York

San Jose

Washington D.C.

London

Paris

