



**Government Secure Encryption Available Now  
On Contracts Including GSA GS-35-F-0538P**

"...the most rugged hard drive we have ever tested." - - GCN Labs"

**Most External Hard Drives Won't Protect Your Data From "Knocks, Jars, or Bumps"**

# Our Handheld Ultra-Rugged Transportable Hard Drive Survives Numerous Drops From Up To 7 Feet Onto Concrete

## ...❖ **MILITARY-GRADE SHOCK & VIBRATION PROTECTION**

Utilizing patented (over 10,000 Gs) shock protection, this drive withstands numerous drops from 7 feet and over **75 drops** from 3-6 feet onto concrete. Certified to exceed the MIL-STD-810F Transit Drop Test (Method 516, Proc. IV). Offers excellent operational vibration protection for mobile applications.

## ...❖ **LONG OPERATIONAL LIFE**

This ultra-rugged hard drive is built to be highly reliable, and is backed by a 3-Year warranty that even covers accidental drops.

## ...❖ **HIGH CAPACITY**

Capacities range up to **750GB** per drive - Eliminate piles of media and consolidate data.

## ...❖ **HIGH PERFORMANCE DATA TRANSFER**

USB 2.0 – 30MB/s sustained, Firewire – 35MB/s sustained, SATA/eSATA – **Over 45MB/s sustained.**

## ...❖ **LIGHTWEIGHT, SMALL & COMPACT DESIGN**

Weighs just 12 ounces and is about the size of a VHS tape. Compact design is stackable and stands vertically.

## ...❖ **PLUG & PLAY – EASE OF USE**

Use with Windows 2000/XP/Vista, Macintosh OS 8.6+, or Linux OS.

## ...❖ **BUS-POWERED**

No separate power supply required; Power is supplied to the drive via Mobile DataVault USB 2.0

## ...❖ **5.25" DOCKING BAY OPTION**

The 5.25" Docking Bay allows for cable-free usage and locks for additional security of Mobile DataVault hard drives. Mounts in any standard 5.25" slot in a rack or tower, and is available with IDE, USB 2.0, or SATA connectivity. Mix and match with other Mobile DataVault drive products!

## ...❖ **OPTIONAL ENVIRONMENTAL FILTER**

Dust and splash resistant environmental filter for use in harsh conditions.

## ...❖ **ENCRYPTION**

FIPS 140-2 Level 1 available now, Level 2 & 3 coming soon!

**Exceeds MIL-STD-810F Transit Drop Test!**



## **ENERGY EFFICIENT DRIVES AVAILABLE**

**AVAILABLE IN THE FOLLOWING CAPACITIES:**

160, 250, 320, 500, 750GB

## **NEW! Extreme Series Mobile DataVault 2LE**

See specs on back for details

## **APPLICATIONS**

### ...❖ **Military / Field Applications**

Perfect for harsher mobile computing environments that require ultra-ruggedness and extreme protection.

### ...❖ **Backup and Disaster Recovery**

Highest level of shock and vibration protection for backup, rotation and offsite archiving of critical data.

### ...❖ **Transferring or Moving Data**

Versatile interface allows for interchangeable connection to PCs, Macs and Linux based systems. Patented shock and vibration protection allows for safe transport and shipping.

### **Critical Storage**

...❖ Safe storage for business- and mission-critical data, digital media, photography, music and other important data.

### **Custom Applications**

...❖ Use this hard drive in a 5.25" docking bay, 19" rackmount, or tower.

See back of datasheet for more information.



## PRODUCT SPECIFICATIONS

### Mobile DataVault 2L Ultra-Rugged Transportable Hard Drives\*

\*Specifications may vary based on drive capacity & are subject to change.

General Characteristics	2LX	2LE
Capacity (GB)	160 / 250 320 / 500 / 750GB	80GB
Physical Dimensions	1.40 in x 4.45 in x 7.50 in	
Weight	12.5 oz	
Interface	Mini-Centronics	
Connectivity Options	USB 2.0/Firewire/eSATA/SATA cables* or 5.25" Docking Bay	
Rotational Speed	5400 or 7200 RPM	4200 or 5400 RPM
Respective Buffer Size	16 / 16 / 16 / 16 / 16	8
Avg Seek Time Read	12.5 ms (5400 RPM); 10.5 ms (7200 RPM)	
OS Compatibility	Windows 2000/XP/Vista, Mac OS 8.6+, Linux OS	
Power	2LX	2LE
Supply Voltage	+5 V (± 5%)	
Bus-Powered Operation	Yes (with exceptions**) using USB 2.0	
Startup Current (max)	1.0 A (+5 V)	1.55 A (+5 V)
Idle	.60 W	
Shock (Half-Sine Wave)	2LX	2LE
Operating	1,750 G (2.0 ms)	
Non-Operating	11,000 G (0.3ms)	
	Exceeds MIL-STD-810F Transit Drop Test, Method 516, Proc. IV	
Vibration (Half-Sine Wave)	2LX	2LE
Operating	1.5 G (5-500 Hz)	3.0 G (5-500 Hz)
Non-Operating	7.5 G (5-500 Hz)	
Environmental Characteristics	2LX	2LE
Operating:		
Amb. Temperature ( C)	0 to +55	-30 to +85
Rel. Humidity (non-cond.)	5% - 90%	
Altitude (ft)	-1,000 to +10,000	-1,000 to +11,000
Non-Operating:		
Amb. Temperature ( C)	-40 to +65	-40 to +85
Rel. Humidity (non-cond.)	5% - 95%	
Altitude (ft)	-1,000 to +40,000	
Reliability	2LX	2LE
Error Rate (Non-Recoverable)	1 in 10 <sup>14</sup>	
Start/Stops (at 40° C)	600,000	
Warranty	3-Years	

## Ultra-Versatile Connectivity Options

This product can be used *interchangeably* with any of the following cable kits and/or docking bay:

### USB 2.0 CABLE

Burst Transfer Rate: 480 Mbps

### eSATA & SATA CABLES

Burst Transfer Rate: 1,200 Mbps

### FIREWIRE CABLE

Burst Transfer Rate: 400 Mbps

### 5.25" DOCKING BAY

Docking Bay Connectivity Options:  
IDE, USB 2.0, or SATA  
Locks for additional security.



## USE IN RACKMOUNT & MOBILE TOWERS

High Capacity Internal/Desktop Removable Hard Drive Solutions



Large Capacity Desktop Tower with RAID, Separate Volume or Hybrid Configurations Available



Large Capacity 19" Rackmount with RAID, Separate Volume or Hybrid Configurations Available



MIL-STD-810F Racks Optional

Also Available: Mobile DataVault 3DX Transportable Hard drive featuring 320GB – 2TB capacity and Mobile DataVault FMX/FMS Max-Rugged flash drive with extreme altitude tolerance.

## Customized Solutions Available – Call Us

Contact information is below.

Visit [www.olixir.com](http://www.olixir.com) for new product updates, additional specs, applications, case studies, and promotions.

**RAID Compatible Hard Drives:** Certain rack and tower systems may require a specific model Mobile DataVault hard drive. Please call for details.

\* Requires Mobile DataVault cable (which has mini-centronics port on one side)

\*\* Bus-Power always requires a USB host port with sufficient power for the hard drive. Also, some 2LX/E models require a power cable regardless, which is included with all cable kits sold. Please contact Olixir to verify the models that are known to run via bus-power.



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