

We've Created What We Consider To Be

The Perfect Military-Grade External & Removable Flash Drive

Take 90 Seconds to See If You Agree...

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

Utilizing Olixir's exclusive patented technology, this flash drive provides exceptional operational vibration & shock protection, in excess of MIL-STD-810F standards.

❖ **LONG OPERATIONAL LIFE**

This ultra-rugged flash drive offers superior reliability compared to commercial flash drives, and is backed by a 3-Year warranty.

❖ **HIGH TOLERANCE TO HARSH ENVIRONMENTAL CONDITIONS**

Operates to 80,000 foot altitude, and up to -40 to +85C operating (FMX model) temperatures.

❖ **HIGH CAPACITY**

Capacities range up to **120GB** 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 under 12oz and is about the size of a VHS tape. Compact design is stackable and stands vertically. Extremely quiet & low power operation.

❖ **PLUG & PLAY – EASE OF USE**

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

❖ **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*

Modular

80K Ft. Altitude

-40° to +85° C (FMX model)

* Transit Drop & Vibration standards



MOBILE DATAVAULT FMX & FMS FLASH DRIVES

AVAILABLE IN THE FOLLOWING CAPACITIES:

30, 60, 90, 120GB

TWO MODELS AVAILABLE:

FMX and FMS (See Back)

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 flash drive in a 5.25" docking bay, 19" rackmount, or tower.

See back of datasheet for more information.

PRODUCT SPECIFICATIONS

Mobile DataVault FM-Series Max-Rugged Flash Drive Family*

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

General Characteristics

Capacity	30, 60, 90, 120GB
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
Avg Seek Time Read	TBD
OS Compatibility	Windows 2000/XP/Vista, Mac OS 8.8+, Linux OS

Power

Supply Voltage	+5 V (± 5%)
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Shock (Half-Sine Wave)

Operating	6,000 G (2.0 ms)
Non-Operating	> 12,000 G (0.3ms)

Vibration (Half-Sine Wave)

Operating	80 G (5-500 Hz)
Non-Operating	TBD

Environmental Characteristics - Operating:

FMX Model Amb. Temperature (C)	-40 to +85
FMS Model Amb. Temperature (C)	0 to +70
Altitude (ft)	-1,000 to +80,000 (MIL-STD-810F, Method 500.4, Proc. II)

Environmental Characteristics - Non-Operating::

Amb. Temperature (C)	-55 to +95
Altitude (ft)	TBD

Reliability

Data	10 Years
MTBF	3,000,000 Hours

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/Flash 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 Drives featuring 320GB – 2TB capacity and Mobile DataVault 2LE/2LX featuring extreme altitude and temperature tolerance.

Customized Solutions Available – Call Us

→ Contact information is below.

→ Visit www.olixir.com for new product updates, additional specs, applications, case studies, and promotions.

→ Certain rack and tower systems may require a specific model Mobile DataVault hard drive. Please call for details.



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