



**MOBILE  
DATAVAULT**

**RUGGED & HIGH CAPACITY EXTERNAL / REMOVABLE DRIVES**

PREFERRED CHOICE OF  
U.S. MILITARY  
& INDUSTRIAL  
CUSTOMERS

**FEATURES:**

- HIGH CAPACITY
- PATENTED RUGGED
- FAST
- HIGH RELIABILITY
- USB 3.0 / eSATA CABLE OR DOCKING BAY
- PROVEN BY MILITARY & BUSINESS
- GREAT CUSTOMER SUPPORT







**COMBO RUGGED  
EXTERNAL & REMOVABLE  
DRIVE**

**BACKUP - VIDEO - PHOTO - DATA COLLECTION - MILITARY - SURVEILLANCE - INTELLIGENCE**

**BUILD THE PERFECT EXTERNAL / REMOVABLE DRIVE!**

CHOOSE FROM THESE OPTIONS:

<b>1</b>	MOBILE DATAVAULT MODEL, CAPACITY & RUGGED LEVEL	<b>F43/F33</b> <b>1TB - 8TB</b> SEMI RUGGED (1,200 G)	<b>F32</b> <b>500GB - 3TB</b> ULTRA RUGGED (>10,000 G)	<b>F31</b> <b>64GB - 512GB</b> MAX RUGGED (>11,000 G)		
<b>2</b>	CONNECTIVITY OPTIONS	<b>CABLES</b> USB 3.0 eSATA	OR	<b>DOCKING BAY</b>	OR USE IN	<b>19" RACK OR TOWER</b>
<b>3</b>	ENCRYPTION OPTION	<b>AES 256-BIT ENCRYPTION</b> (NIST CERTIFIED FIPS 140-2)				
<b>4</b>	WARRANTY OPTIONS	<b>2-5 YEARS*</b> STANDARD WARRANTY	<b>EXTENDED</b> OPTIONAL WARRANTY	<b>REPLACEMENT (classified data)</b> OPTIONAL WARRANTY		
<b>5</b>	EXTREME OPTIONS	 <b>DUST FILTER</b>	 <b>SPLASH RESISTANCE</b>	 <b>WIDE TEMPERATURE**</b>	 <b>FAN</b>	

\*depends on model

\*\*specific model only

## PRODUCT SPECIFICATIONS

### Mobile DataVault Drives\*

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

Mobile Datavault MODEL	F43 (Semi-Rugged)	F33 (Semi-Rugged)	F32 (Ultra-Rugged)	F31 (Max-Rugged)
Internal Drive Type	3.5" Enterprise Hard Drive	3.5" Desktop Hard Drive	2.5" Hard Drive	SSD
Capacity	4TB, 5TB, 6TB, 8TB	1TB, 2TB, 3TB, 4TB	500GB, 750GB, 1TB, 2TB, 3TB	F31X: 64GB, 128GB, 256GB, 512GB (MLC) F31X: 256GB, 512GB (SLC) F31S: 256GB - 1TB (MLC)
Physical Dimentions	1.40 in x 4.45 in x 7.50 in			
Weight	1.85 lbs		12.5 oz	<12.5 oz
Connectivity	USB 3.0/2.0, eSATA Cable or 5.25" Docking bay			
OS Compatibility	Win XP to Win 10 / Mac 8.6 to 10.10 El Capitan / All standard Linux from Red Hat to Mandrake and others			
Power	F43	F33	F32	F31
Supply Voltage	+12 Vdc (+10%/-8%), +5 Vdc (± 5%)		+5 V (± 5%)	
Bus-Powered Operation	N/A		Yes (with exceptions**) using either USB 3.0/2.0 or powered-eSATA port	
Idle	9.0 W		2.2 W	TBD
Shock (Half-Sine Wave)	F43	F33	F32	F31
Operating	150 G (2.0 ms)		1,750 G (2.0 ms)	6,000 G (2.0 ms)
Non-Operating	1,200 G (2.0 ms)		>10,000 G (0.3ms)	> 11,000 G (0.3ms)
MIL-STD-810F Compliance	N/A	N/A	Exceeds MIL-STD-810F Transit Drop Test, Method 516, Proc. IV	
Vibration (Half-Sine Wave)	F43	F33	F32	F31
Operating	0.75 G (22-350 Hz)/0.38 G (350-500 Hz)		1.5 G (5-500 Hz)	80 G (5-500 Hz)
Non-Operating	1.50 G (22-350 Hz), 0.75G (350-500 Hz)		7.5 G (5-500 Hz)	TBD
Environmental Characteristics Operating:	F43	F33	F32	F31
Amb. Temperature (C)	0° to +60°		0° to +55°	F31X: -40° to +85° F31S: 0° to +70°
Rel. Humidity (non-cond.)	5% - 90%		5% - 90%	TBD
Altitude (ft)	-200 to +10,000		-1,000 to +10,000	-1,000 to +80,000
Non-Operating:	F43	F33	F32	F31
Amb. Temperature (C)	-40° to +70°		-40° to +65°	F31X: -55° to +95° F31S: Contact Us
Rel. Humidity (non-cond.)	5% - 95%		5% - 95%	TBD
Altitude (ft)	-200 to +40,000		-1,000 to +39,000	TBD
Reliability	F43	F33	F32	F31
Error Rate (Non-Recoveragble)	1 in 10 <sup>14</sup>			N/A
Start/Stops (at 40° C)	50,000		600,000	N/A
Write Endurance	N/A		N/A	F31X: 30,000 (Enhanced MLC) F31X: 60,000-100,000 (SLC)
Warranty	F43	F33	F32	F31
Standard (Optional extended warranty & replacement coverage is available.)	5 Years		2 Years	2 Years

\*\* Bus-Power requires a USB or eSATA port on the host, and associated cable, that can satisfy the power requirement of the internal hard drive. Some models may require a power cable that is optionally available. Please contact Olixir to verify models that may require power cable.

## OTHER OLIXIR PRODUCTS



5.25" Docking Bay



19" NAS/DAS Rack  
(with Removable Drives)



NAS/DAS Tower  
(with Removable Drives)



Scalable NAS Rack  
(with Removable Drives)



www.olixir.com