



**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 - 12TB</b> SEMI RUGGED (1,200 G)	<b>F32</b> <b>1TB - 5TB</b> ULTRA RUGGED (>10,000 G)	<b>F31</b> <b>128GB - 2TB</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</b> (classified data) 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, 6TB, 8TB, 10TB, 12TB	1TB, 2TB, 4TB, 6TB, 8TB, 10TB, 12TB	1TB, 2TB, 3TB, 4TB, 5TB	F31X (MLC): 128GB — 2TB F31X (Enhanced MLC): Call Us F31X (SLC): Call Us
Physical Dimensions	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°
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°
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-Recoverable)	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 (MLC): 3,000 F31X (Enhanced MLC): 20,000 F31X (SLC): 60,000-100,000
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)

