

E-Disk® Altima™ II

2.5" SATA 6Gb/s SSD

M-Series

Extreme Ruggedness, Security,
and Reliability for Mission Critical
Applications



E-Disk Altima II M-Series SATA 6Gb/s SSDs are tested to withstand extreme environmental conditions. When power is unexpectedly disrupted, valuable data is guarded with PowerGuard® power loss data protection feature. In the event of a breach, SecurErase® technology provides an extra layer of security that erases the drive to prevent unauthorized third-party data access.

E-Disk Altima II M-Series SATA 6Gb/s SSDs support SMART monitoring and reporting, Native Command Queuing, TRIM, and global wear leveling, ensuring reliability while extending drive life and endurance.

Applications

E-Disk Altima II M-Series Plus SSDs are ideal for military and industrial applications such as:

- Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance (C4ISR)
- Unmanned Vehicles (AUV, UGV, and Naval Drones)
- Avionics and Aerospace
- Industrial Automation & Medical Equipment
- Intelligent Pipeline Inspection
- Communications & Networking

Features

- Superior Ruggedness
- PowerGuard Power Loss Data Protection
- SecurErase Power On Data Erase
- SecurErase Power Loss Data Erase
- SecurErase Power Loss Mobile Data Erase
- Instant Erase Function
- FIPS 140-2 Level 3 Compliant
- AES 256 Encryption
- TCG Opal Compliant
- TRIM and SMART Support

Product Specifications

Physical	
Form Factor	2.5"
Mounting	HDD/SSD standard, all orientations
Interface	SATA Rev 3.1
Dimensions (L x W x H)	100 mm x 69.85 mm x 9.5 mm

Capacity	
SLC	Up to 512 GB
MLC	Up to 2 TB

Note: Usable capacity.

Sustained Performance	
Sequential Read	Up to 550 MB/s
Sequential Write	Up to 460 MB/s

Security	
SecurErase Standard Compliance	DoD 5220.22-M
	NSA 130-2
	USA Air Force AFFSSI 5020
	USA Army 380-19
	USA Navy NAVSO P5239-26
	IRIG 106-07 Ch. 10
SecurErase Feature (Optional)	Power Loss Data Erase
	Power Loss Mobile Data Erase
FIPS 140-2 Level 3	Optional
AES 256 Encryption	Supported
TCG Opal 2.0 Compliance	Supported

Environmental (Operational)	
Temperature	Military: -60 to 95 °C
Altitude	0 to 80,000 ft
Humidity	10 to 90% (non-condensing)
Shock	1,500 G
Vibration	16.4 Grms

Reliability	
MTBF	> 2,000,000
Endurance	3,000 TBW @ 2 TB

Power	
Voltage	5V DC (±5%)
Power Consumption	Read: 1.8 W @ 1 TB Write: 3.4 W @ 1TB
PowerGuard Power Loss Data Protection	Optional

Warranty	
Standard	1 year
Extended (Optional)	3 years

For more Information

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