

# E-Disk® Altima™ II 2.5" SATA 6Gb/s SSD M-Series

Extreme Ruggedness, Security,  
and Reliability for Mission Critical  
Applications



BITMICRO® E-Disk Altima II M-Series SATA 6 Gb/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, enhanced secure erase feature provides an extra layer of security that erases the drive to prevent unauthorized third-party data access.

E-Disk Altima II M-Series SATA 6 Gb/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 SSDs are ideal for military and industrial applications such as:

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

## Features

- Verified Rugged
- PowerGuard® Power Loss Data Protection
- Power On Data Erase
- AES 256 Support
- TCG Opal Compliant
- TRIM and SMART Monitoring & Reporting

# Product Specification

Physical	
Form Factor	2.5"
Mounting	HDD/SSD standard, all-orientations
Interface	SATA Rev. 3.2
Dimensions (L x H x W)	100mm x 69.85mm x 7mm

Capacity	
Storage Capacity	Up to 4TB depending on NAND type required
NAND Types	3D TLC, SLC Mode Over 3D TLC NAND (pSLC)

Performance	
Sequential Read	Up to 550 MB/s
Sequential Write	Up to 520 MB/s

Security	
Power On Data Erase	Supported via SATA Command
AES 256 Encryption	Supported
TCG Opal 2.0 Compliance	Supported

Reliability	
MTBF	> 2, 000, 000

Environmental Operation	
Temperature	-40 to 85 °C
Shock	1,500 G
Vibration	20 Grms
Altitude	0 to 80,000 ft.
Humidity	5 to 95% (non-condensing)

Power	
Voltage	3.6V
Power Loss Data Protection	Supported (Optional)
Power Saving Mode	DEVSLP (Optional)
Power Consumption (Typical R/W @1TB MLC)	Read: 1.8W Write: 3.4W

Warranty	
Standard	1 Year
Extended (Optional)	3 Years

## For more information

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